



UNIVERSIDAD DE MÁLAGA
Dpto. Lenguajes y CC. Computación
E.T.S.I. Telecomunicación

EL BUFFER DE TECLADO

Apéndice

Elementos de Programación

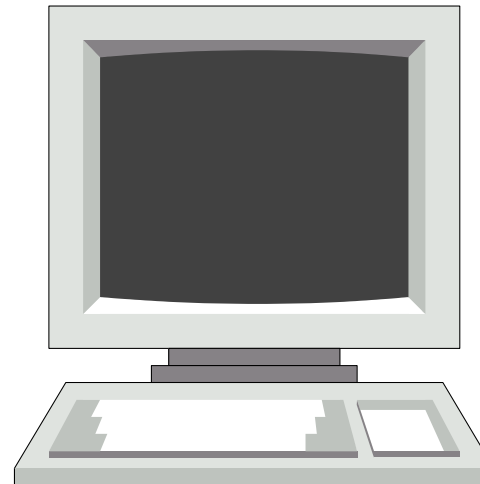
Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

Buffer_Tcl

Mem_Tcl



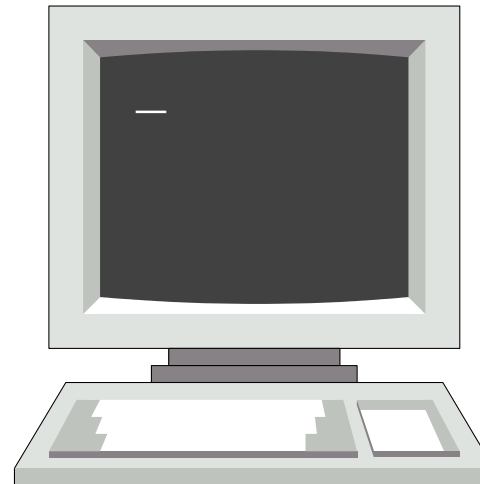
Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

Buffer_Tcl

Mem_Tcl



Programa de Usuario

```
cin.get(c) ¡¡ESPERA!!
while (car != '\n') {
    if (es_mayuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car) ;
}
```

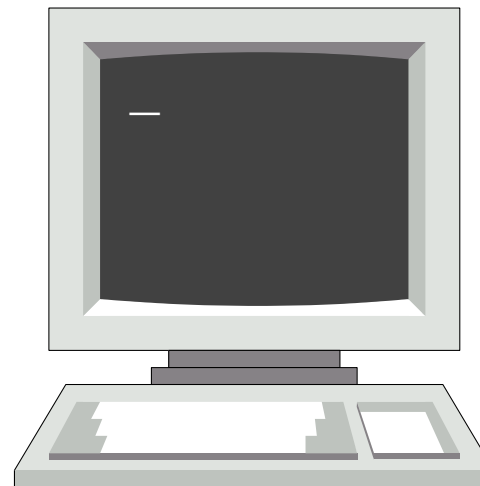
car



Buffer_Tcl



Mem_Tcl



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

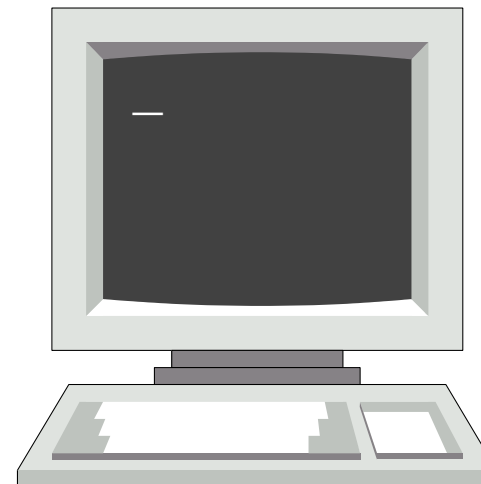
car



Buffer_Tcl

¡¡VACIO!!

Mem_Tcl



Programa de Usuario

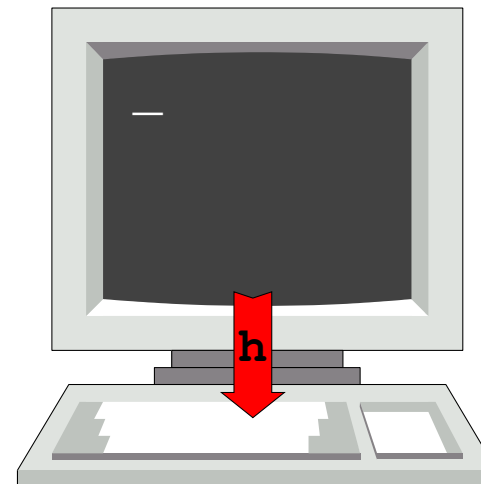
```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

Buffer_Tcl

Mem_Tcl

¡Pulsa la tecla h!



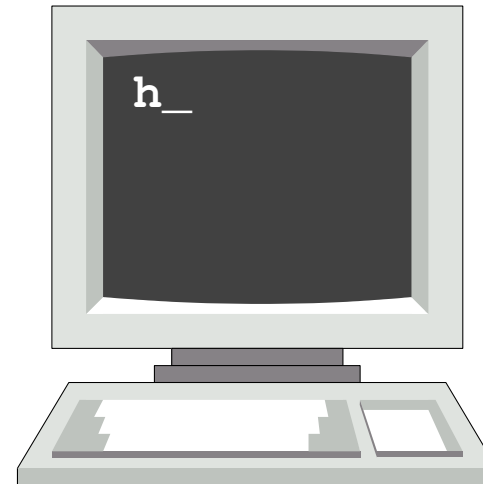
Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

Buffer_Tcl

Mem_Tcl



Programa de Usuario

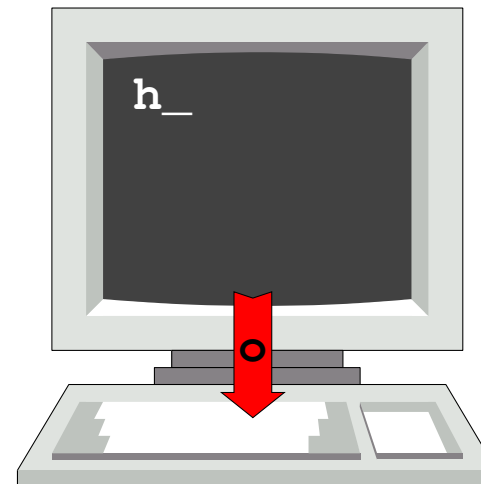
```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

Buffer_Tcl

Mem_Tcl

¡Pulsa la tecla o!



Programa de Usuario

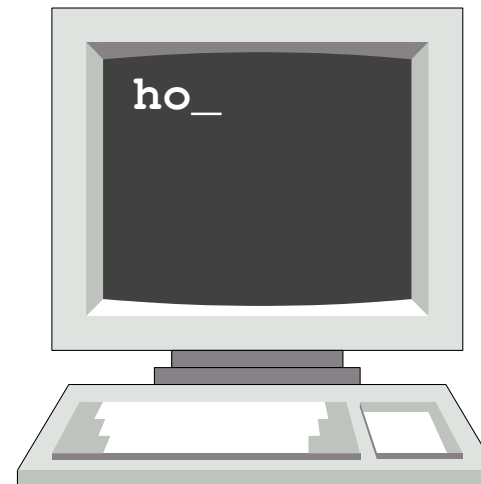
```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

Buffer_Tcl

Mem_Tcl

ho



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

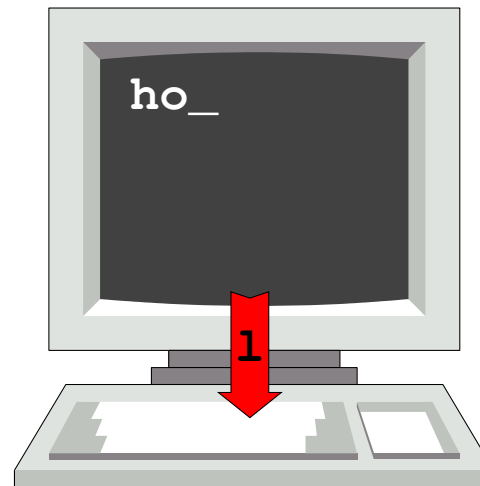
car

Buffer_Tcl

Mem_Tcl

ho

¡Pulsa la tecla !



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

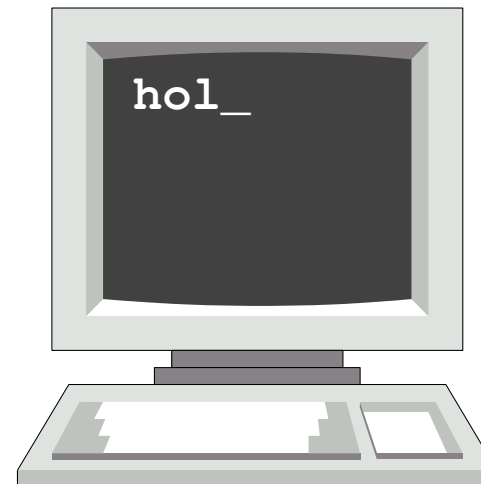


Buffer_Tcl



Mem_Tcl

hol



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

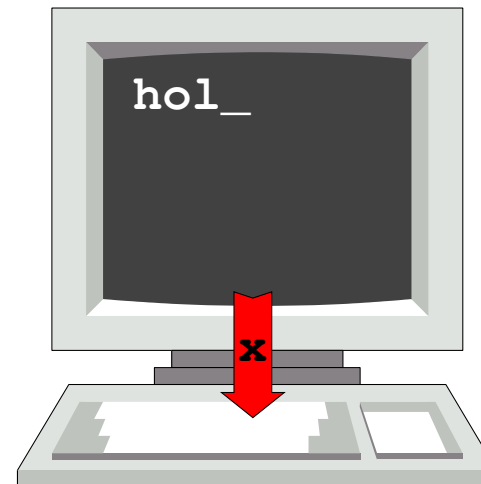
car

Buffer_Tcl

Mem_Tcl

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¡Pulsa la tecla x!



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

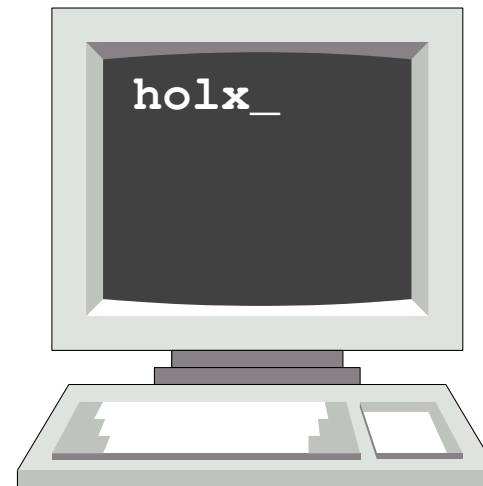


Buffer_Tcl



Mem_Tcl

holx



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

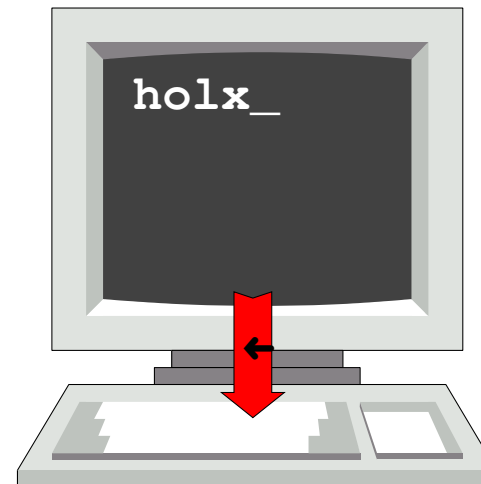
car

Buffer_Tcl

Mem_Tcl

holx

¡Pulsa la tecla Retroceso!



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

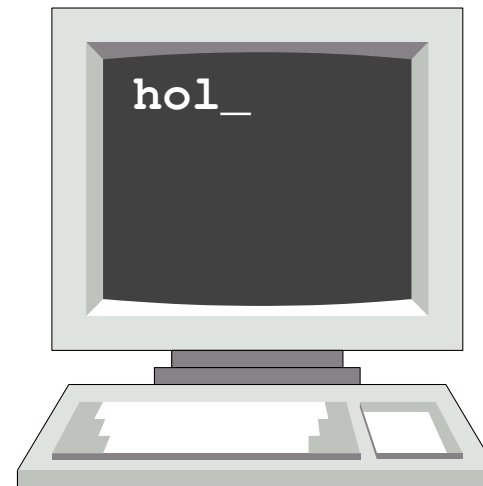


Buffer_Tcl



Mem_Tcl

hol



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

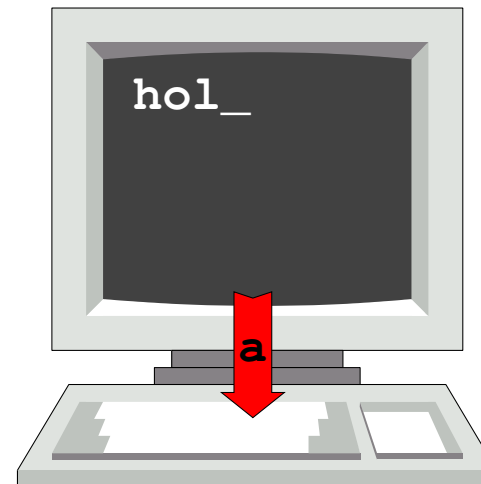
car

Buffer_Tcl

Mem_Tcl

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¡Pulsa la tecla a!



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car



Buffer_Tcl



Mem_Tcl

hola



Programa de Usuario

```
cin.get(car); ¡¡ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

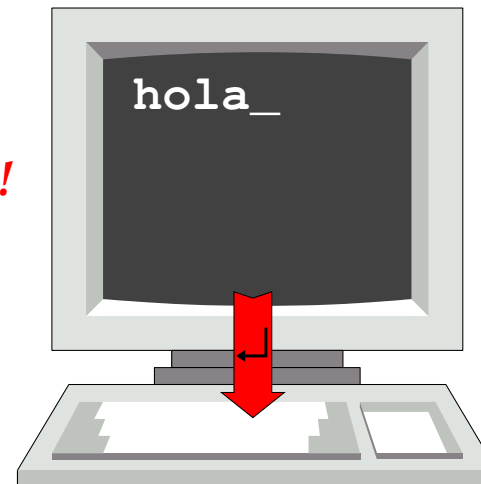
car

Buffer_Tcl

Mem_Tcl

hola

¡Pulsa la tecla Entrar!



Programa de Usuario

```
cin.get(car); ;;ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car



Buffer_Tcl



Mem_Tcl

hola↵



Programa de Usuario

```
cin.get(car); ;;ESPERA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car



Buffer_Tcl

hola↵

Mem_Tcl

hola↵



Programa de Usuario

```
cin.get(car) ;;DESPIERTA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

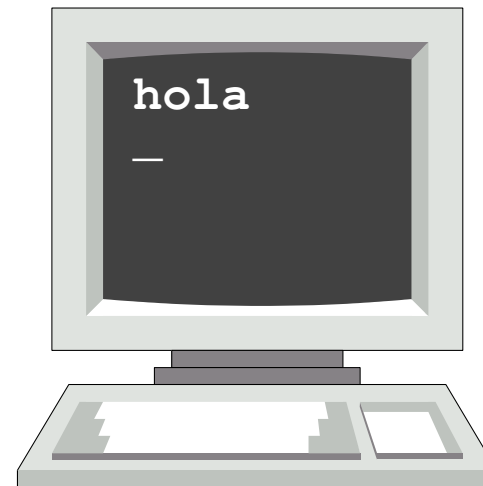
car



Buffer_Tcl

hola ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car); ;;DESPIERTA!!
while (car != '\n') {
    if (es_minuscula(car)) {
        car = mayuscula(car);
    }
    cout << car ;
    cin.get(car);
}
```

car

Buffer_Tcl

hola↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car << " ";  
    cin.get(car);  
}
```

car

h

Buffer_Tcl

ola ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

h

Buffer_Tcl

ola↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

h

Buffer_Tcl

ola↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

H

Buffer_Tcl

ola↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

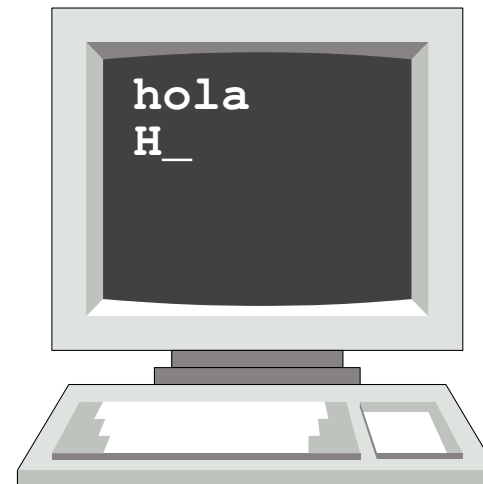
car

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Buffer_Tcl

ola↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(c);  
}
```

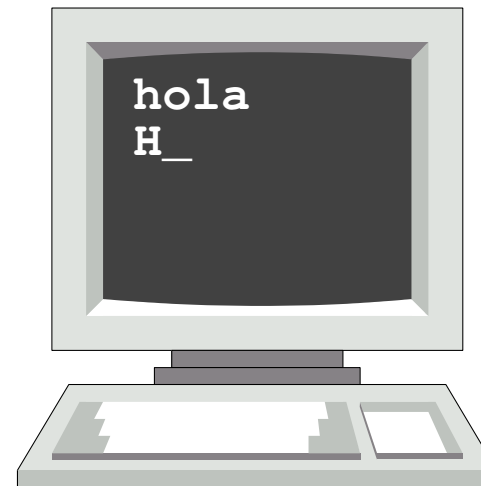
car

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Buffer_Tcl

la ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

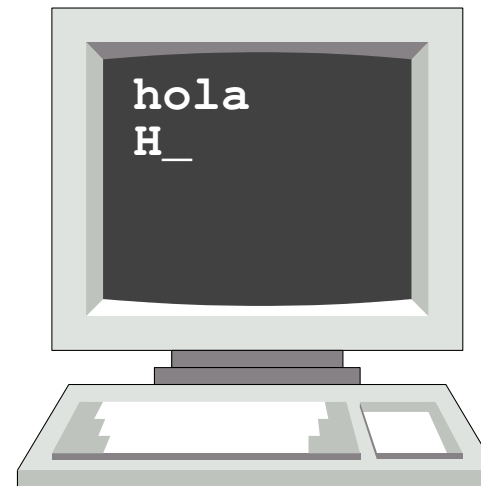
car



Buffer_Tcl

la↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car



Buffer_Tcl

la↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

o

Buffer_Tcl

la↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

o

Buffer_Tcl

la↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(c);  
}
```

car

l

Buffer_Tcl

a ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

1

Buffer_Tcl

a ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

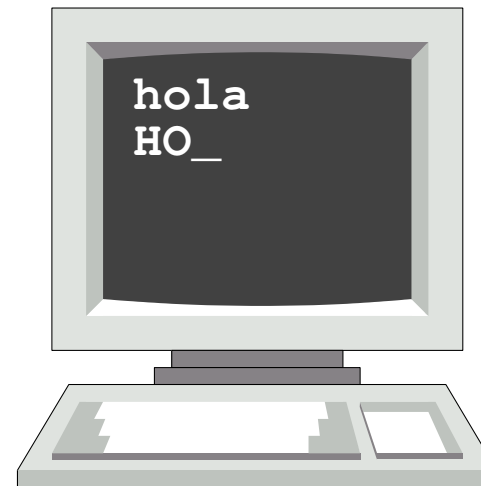
car

1

Buffer_Tcl

a ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

L

Buffer_Tcl

a ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

L

Buffer_Tcl

a ↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(c);  
}
```

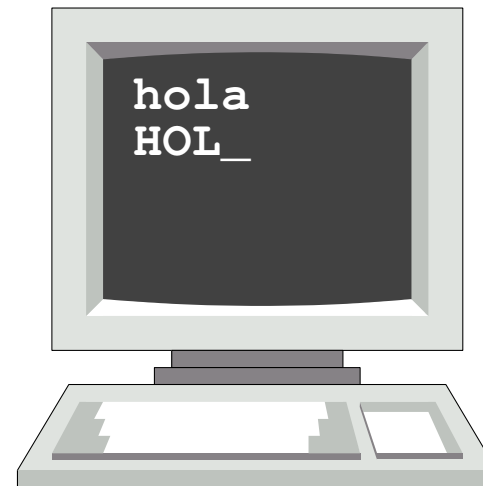
car

a

Buffer_Tcl

␣

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

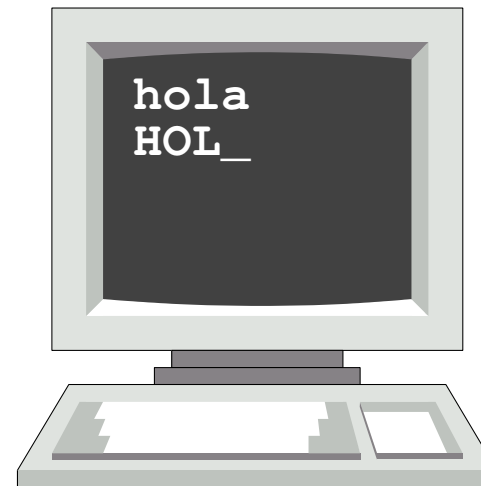
car

a

Buffer_Tcl

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Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

a

Buffer_Tcl

↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

A

Buffer_Tcl

↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car

A

Buffer_Tcl

↵

Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(c);  
}
```

car



Buffer_Tcl



Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car



Buffer_Tcl



Mem_Tcl



Programa de Usuario

```
cin.get(car);  
while (car != '\n') {  
    if (es_minuscula(car)) {  
        car = mayuscula(car);  
    }  
    cout << car ;  
    cin.get(car);  
}
```

car



Buffer_Tcl



Mem_Tcl

