

loop is restricted. Whereas exiting from the loop is restricted depends on the loop condition: instructions within the loop will be executed at least once irrespective loop condition is true or false for the first time.

Ex

```
x = 6
while (x <= 5)
{
    printf("\n %d", x);
    x = x + 1;
}
```

output:

```
x = 6
do
{
    printf("\n %d", x);
    x = x + 1;
} while (x <= 5);
```

output  
6

### Syntax

```
for (<variable> = <init-value>; <cond>; increment value  
decrement value)
```

```
{
```

True

```
}
```

for is a looping construct which will keep repeating the instructions within the loop when the specified condition is true. When the condition becomes false control will be passed out of the loop. It is an entry controlled looping construct (pre-tested loop) i.e. entry into the loop is restricted depending on the result of the loop.