

Chapter 7 Looping (for)

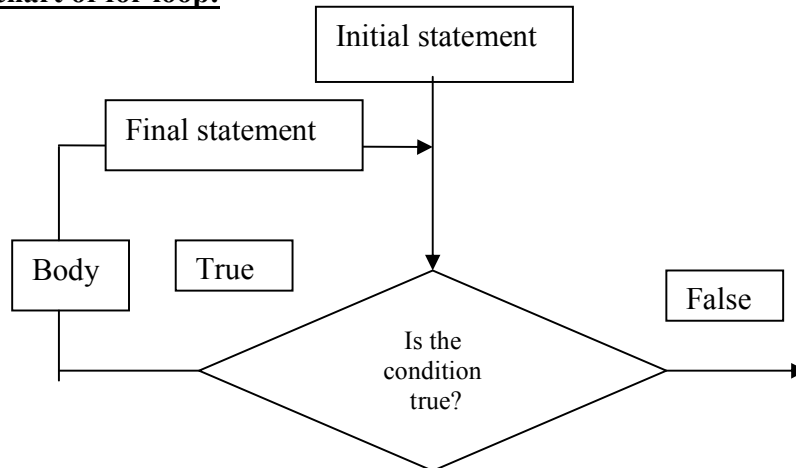
When using looping, we often use a counter variable, there is a convenient way other than using the **while** loop.

for:

```
for (initial_statement ; condition ; final_statement) statement ;
```

```
for (initial_statement ; condition ; final_statement){  
// Multiple statements  
  
}
```

Flow chart of for loop:



Example:

Display 1 to 10:

```
int main(){  
int i=0;  
for (i=1;i<=5;++i) printf("%d\n",i);  
return 0;  
}
```

Display 5 odd numbers:

```
int main(){  
int i=0;  
for (i=1;i<=5;++i) printf("%d\n",2*i-1);  
return 0;  
}
```

Exercises:

- 1) 2006HJE Section A #2 , #6 , #9 , #13 , #23 , #24 , #26 , #27 , #28
- 2) 2007HJE Section B #2, 2006HJE Section B #6, 2005HJE Section B #1, #2, #4
- 3) Using **for**, **do-while** to rewrite the Practice Example in Chapter 5.

End of Chapter