While Syntex:

While (Condition){

// body

}

For syntex:

for( initialization; condition; increment/drement ){

// body

}

For condition have 3 statements

First statements will be execute then control comes to for loop for the 1st time.

Then goes to second statements and evaluare the condition written ini it.

If condition is true then control goes inside the loop otherwise bypass it.

When the body ends and again control goes from end of body to for loop again then 3rd statements code will execute.

Code: example:

For:

#include<stdio.h>

int main(){

int x;

for(x = 1; x<=5; x++){

printf("%d\n", x);

}

return 0;

}

Nested for:

#include<stdio.h>

int main(){

int x,y;

for(x=1;x<=3;x++){

for(y=1; y<=3; y++){

printf("%d %d\n", x ,y);

}

}

return 0;

}

In the For loop, in 1st and 3rd section, there can be multiple statemesnts which will be comma separated. And also they are optional. Condition is mandatory