C Loop's

Three Types of Loop's in C
1. **while loop**
2. **do..while loop**
3. **for loop**

While Loops
syntax:-

```
while(condition){
        // C Statements
}
```

ex:-
```
#include<stdio.h>
#include<conio.h>
void main()
{
    int n,i;
    clrscr();
    printf("\nEnter How Many Number You Want Print!: ");
    scanf("%d",&n);
    i=1;
    printf("While Loop\n");
    while(i>n){
        printf("%d\n",i);
        i++;
    }
    getch();
}
```

O/P:-
Enter How Many Number You Want Print!: 5
While Loop
1
2
3
4

Do..While Loops
syntax:-
```
do{
    // C Statements
}while(condition);
```
ex:-
```c
#include<stdio.h>
#include<conio.h>
void main()
{
    int n,i;
    clrscr();
    printf("\nEnter How Many Number You Want Print!: ");
    scanf("%d",&n);
    i=1;
    printf("Do..While Loop\n");
    do{
        printf("%d\n",i);
        i++;
    }while(i>n);
    getch();
}
```
O/P:-
```
Enter How Many Number You Want Print!: 5
Do..While Loop
1
2
3
4
```

For Loops
syntax:-

```
for(intiailize;condition;increment/decrement){
        // C Statements
}
```

ex:-

```
#include<stdio.h>
#include<conio.h>
void main()
{
     int n,i;
     clrscr();
     printf("\nEnter How Many Number You Want Print!: ");
     scanf("%d",&n);
     printf("For Loop\n");
     for(i=1; i<n; i++)
     {
          printf("%d\n",i);
     }
     getch();
}
```

O/P:-
Enter How Many Number You Want Print!: 5
For Loop
1
2
3
4