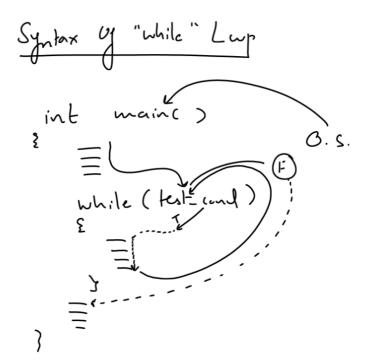
# Loop ( Therative Shul)

- 1 while
- @ do. . while
- (3) Jan



```
Guess The Output
#include <stdio.h>
int main()
{
   int i;
   i=1;
   while(i>=10)
   {
      printf("\n%d",i);
   i=i+1;
   }
return 0;
```

```
Guess The Output
#include <stdio.h>
int main()
{
    int i;
    i=1;
    while(i<=10)
        printf("\n%d",i);
        i=i+1;

return 0;
}
O/P:
====
1,1,1 infinite times
```

```
Guess The Output
#include <stdio.h>
int main()
{
  int i;
  i=1;
                                           ع
ا
ا
  while(i<=10)
 {
   i=i+1;
   printf("\n%d",i);
                                          (0
return 0;
                                          11
}
O/P:
====
```

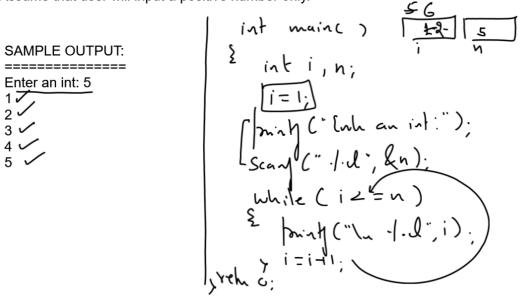
```
Guess The Output
#include <stdio.h>
int main()
{
    int i;
    i=1;
    while(i<=10)
    i=i+1;
    printf("\n%d",i);

return 0;
}
O/P:
====
11
```

WAP to print first 10 natural numbers in reverse order

```
#include <stdio.h>
int main()
{
    int i;
    i=10;
    while(i>=1)
    {
        printf("\n%d",i);
        i=i-1;
    }
    return 0;
}
```

WAP to accept an integer from the user and print all the nos from 1 to that number. Assume that user will input a positive number only.



WAP to accept an integer from the user and print all the nos from that number to 1 .Assume that user will input a positive number only.

```
SAMPLE OUTPUT:
                                  int main()
==========
Enter an int: 5
                                     int i,n;
5
                                                                    5
                                     printf("Enter an int:");
4
                                     scanf("%d",&n);
3
2
                                     i=n;
                                    while(i>≝1)
                                       printf("\n%d",i);
                                       i=i-1;
                                  return 0;
                                  }
```

```
int main()
{
    int n;
    printf("Enter an int:");
    scanf("%d",&n);
    while(n>=1)
    {
        printf("\n%d",n);
        n=n-1;
    }
    return 0;
}
```

WAP to print all the EVEN numbers from 1 to 20

int main()

int 
$$i=1$$
;

while  $(i = 20)$ 

if  $(i + 2 = 0)$ 

if  $(i + 2 = 0)$ 

int  $(i + 1)$ ;

if  $(i + 2 = 0)$ 

int  $(i + 1)$ ;

if  $(i + 1)$ 

#### ASSIGNMENTS:

==========

Qn1. WAP to accept an int from the user and print the sum of all the numbers from 1 to that number. Assume that the user will input positive number only

## SAMPLE OUTPUT:

Enter an int : 5 Sum is 15

## SAMPLE OUTPUT:

=========

Enter an int: 7 Sum is 28

Qn2. WAP to accept an int from the user and if it is positive then print all the numbers from 1 to that number and if it is negative then print all the nos from that number to -1

## **SAMPLE OUTPUT:**

=========

Enter an int: 5

1

2

3 4

5

## SAMPLE OUTPUT:

=========

Enter an int: -4

- -4
- -3
- -2
- -1