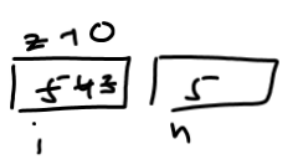
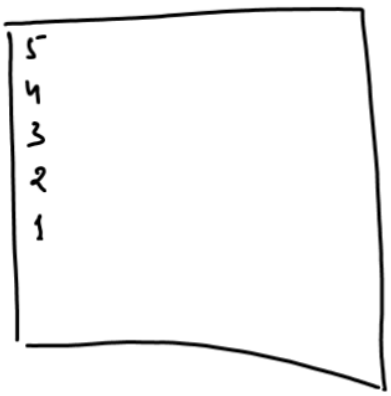
```
int main()
{
    int n, i;

    printf("Enter an int: ");
    scanf("%d", &n);

    i = n;
    while(i >= 1)
    {
        printf("%d ", i);
        i = i - 1;
    }
return 0;
}
```



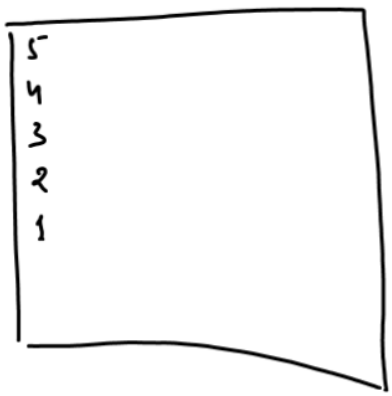


Using only 1 var

```
int main()
{
    int n;

    printf("Enter an int: ");
    scanf("%d", &n);

    while(n >= 1)
    {
        printf("%d ", n);
        n = n - 1;
    }
return 0;
}
```



WAP to print all the EVEN NUMBERS from 1 to 20

Solution 1:

```
========
int main()
{
  int i;

  i=1;

while(i<=20)
{
  if(i%2==0)
     printf("\n%d",i);
  i=i+1;
}
return 0;
}
```

i = 1 2 3 4 5

2
4

Solution 2:

```
========
int main()
{
  int i;
  i=2;
 while(i<=20)
{
  printf("\n%d",i);
  i=i+2;
}
return 0;
}
```

i = 2 4 6 8

2
4
6
20

WAP to accept an integer from the user and print the SUM of all the numbers from 1 to that number. Assume that the input given will be POSITIVE only.

SAMPLE OUTPUT:
==========
Enter an int: 5
Sum is 15

```
int main()
{
  int i, n, sum = 0;
  printf("Enter an int: ");
  scanf("%d", &n);
  i=1;
  while(i<=n)
  {
    sum = sum + i;
    i=i+1;
  }
  printf("Sum is %d", sum);
  return 0;
}
```

6
2 3 4 5

to is
1 3 6

i: 1 + 2 3 4 5 6
n: 5
sum: 0 1 3 6 15

a) sum = 0+1 => 1
b) sum = 1+2 => 3
c) sum = 3+3 => 6
d) sum = 6+4 => 10
e) sum = 10+5 => 15

```
int main( )
{
    int n, sum=0;

    printf("Enter an int: ");
    scanf("%d", &n);

    while(n>=1)
    {
        sum=sum+n;
        n=n-1;
    }
printf("Sum is %d", sum);
return 0;
}
```

n = 5 sum = 0

a) sum = 0 + 5 => 5
b) sum = 5 + 4 => 9
c) sum = 9 + 3 => 12
d) sum = 12 + 2 => 14
e) sum = 14 + 1 => 15

SAMPLE OUTPUT
==========
Enter an int: 5
1
2
3
4
5

SAMPLE OUTPUT
==========
Enter an int: -4
-4
-3
-2
-1