

# Q. Positive (or) Negative numbers

```
#include <stdio.h>
#include <conio.h>
int main()
{
    double num;
    printf ("Enter a number : ");
    scanf ("%f", &num);
    if (num < 0.0)
    {
        printf ("you entered a negative number.");
    }
    else if (num > 0.0)
    {
        printf ("You entered a positive number.");
    }
    return 0;
}
```

## Output :

Enter a number : 12.3

You entered a positive number

## Q. Even (or), odd numbers

```
#include <stdio.h>
#include <conio.h>
int num;
main()
{
    int num;
    clrscr();
    printf("Enter a Number : ");
    scanf("%d", &num);
    if (num % 2 == 0)
    {
        printf("%d is even", num);
    }
    else
    {
        printf("%d is odd", num);
    }
    return 0;
}
```

### Output :

Enter a number : 7

is odd

### 3. Sum of First N Natural Numbers

```
#include <stdio.h>
#include <conio.h>
int main()
{
    int n, q, sum = 0;
    clrscr();
    printf("Enter a positive integer:");
    scanf("%d", &n);
    for (i = 1; i <= n; i++)
    {
        sum += i;
    }
    printf("Sum = %d", sum);
    return(0);
}
```

Output:

Enter a positive integer: 18  
Sum = 171

#### 4. Sum of numbers in a given range

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
int main()
```

```
{
```

```
int l=2, r=7;
```

```
int sum=0,
```

```
clrscr();
```

```
for (int i=1; i<=r; i++)
```

```
{
```

```
sum+=sum+i;
```

```
}
```

```
printf ("The Sum of numbers in the given  
range is", sum);
```

```
return 0;
```

```
-}
```

#### Output

```
The Sum of the numbers in the given  
range is 27
```