

Day - 1

1. positive or negative number

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

```
int main () {
```

```
    double num;
```

```
    printf ("Enter a number: ");
```

```
    scanf ("%f", &num);
```

```
    if (num <= 0.0) {
```

```
        printf ("you entered 0.");
```

```
    else
```

```
        printf ("you entered a negative number.");
```

```
    }
```

```
    else
```

```
        printf ("you entered a positive number.");
```

```
        return 0;
```

```
    }
```

out put:

Enter a number : 12

you entered a positive number

② Even or odd number

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

```
int main() {
```

```
    int num;
```

```
    printf("Enter an integer: ");
```

```
    scanf("%d", &num);
```

```
// true if num is perfectly divisible by 2
```

```
    if (num % 2 == 0)
```

```
        printf("%d is even.", num);
```

```
    else
```

```
        printf("%d is odd", num);
```

```
    return 0;
```

```
}
```

out put!

Enter an integer: -7

-7 is odd.

③ sum of first n natural number.

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

```
int main() {
```

```
    int n, i, sum = 0;
```

```
    printf("Enter a positive integer:");
```

```
    scanf("%d", &n);
```

```
    for (i = 1; i <= n; ++i) {
```

```
        sum + = i;
```

```
    }
```

```
    printf("sum = %d", sum);
```

```
    return 0;
```

```
}
```

out put:

Enter a positive integer : 100

sum = 5050

(4) sum of number in a given range.

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

```
int main()
```

```
{
```

```
int fvalue, lvalue, sum = 0;
```

```
printf("Enter the first and last value:");
```

```
scanf("%d %d", &fvalue, &lvalue);
```

```
for (int i = fvalue; i <= lvalue; i++)
```

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

```
printf("%d", sum);
```

```
return 0;
```

```
}
```

input :

3

6

out put

18