Write a program to check whether the given number is odd number or even number.

Write a program to check whether given number is a positive number or negative number.

If the ages of Ram, Shyam and Ajay are given as input, write a program to determine the youngest of the three.

Write a program to check whether a triangle is valid or invalid. A triangle is valid if sum of all the angles is equal to 180.

Marks of 3 subject are given, write a python program to calculate the percentage and assign the grade as given below.

```
double totalMarks = m1 + m2 + m3;
        double per = (totalMarks/300) * 100;
                  String grade;
                   // Type your code below
                            if (per > 80){
                                     grade = "A";
                            else if (per >= 65)
                            {
                                      grade = "B";
                            else if (per >= 45){
                                      grade = "C";
                            else{
                                      grade = "D";
                            System.out.println(grade);
         }
}
```

Write a program to check given year is a leap or nonleap year.

A three digit number is given, write a program to check whether a number is Armstrong number or not.

```
if(n < 100 || n > 999){
                            System.out.println("invalid number");
                   else {
                            int originalNumber = n;
                            int sum = 0;
                            while(n > 0){
                                      int digit = n % 10;
                                      sum += digit * digit * digit;
                                      n /= 10;
                            if (sum == originalNumber){
                                      System.out.println("armstrong");
                            }
                            else {
                                      System.out.println("non-armstrong");
                            }
                   // Type your code below
```

```
}
```

Write a program to find summation of odd numbers from 1 to n.

Write a program to find the factorial of a given number.

Write a program to check whether a number is a perfect number or not.

write a program to print the Fibonacci series for given number of terms.

Write a program to check whether a number is prime number or not.

Write a program to print the prime numbers from 1 to n.

Write program to print following pattern for given number of lines.

```
}
```

Write a program to print the floyds Triangle as shown below with given number of lines.

Write a program to print the alphabets triangle as shown below for given number of lines.