Special Interest ~~to~~ 150.

(c) Program to swap two numbers.

```
public class swapNum {

    public static void main (String[]
                              args)
    {
        int a = 6, b = 7;
        int temp
        System.out.println(" Before
          swap a = ", a, " b = ", b);

        System.out.println
        int temp  = a;
            a = b;
            b = a;

        System.out.println (" After
          swap a = ", a, " b = ", b);

    }
}
```

Output :-

Before swap a = 6 . b = 7

After swap a = 7 b = 6.

```
    }
}
```

Output:

It is an Isosceles triangle

(5) Program to calculate the simple interest.

```
public class SI {

    public static void main (String [] args) {

        int interest = 15;
        int principal = 1000;
        int time = 1;
        int SI = principal * interest / 100;

        System.out.print("Special Interest "+SI);

    }
}
```

(6) Program to swap two numbers

Output:-

(3) O/p put:

First two numbers are 0 1

1
2
3

(4) Program to check if a triangle is scalene, isosceles or equilateral.

```
public class isTriangle {

    public static void main(String[] args)

    {
        int a=5, b=5, c=6;

        if(a==b && a==c)
        {
            System.out.print("It is an equilateral triangle");

        } else if (a==b || b==c || a==c)
        {

            System.out.print("It is an isosceles triangle");
        }

        else
        {
            System.out.print("It is a scalene triangle");
        }
```

```
        System.out.print("Number is
                not prime");
    }
}
```

Output :-

Yes, the number is prime

(3) Program to print fibonacci series.

```
public class fibNum {
    public static void main(String[]
                args) {

        int n = 5;
        int n1 = 0, n2 = 1, n3 = 0;

        for (int i = 0

        System.out.println("First two
        numbers are", n1, n2);
        for (int i = 1; i < n; i++)
        {
            n3 = n2 + n1;
            n2 = n
            n1 = n2;
            n2 = n3;
            System.out.println(n2);
        }
    }
}
```

① Program to print "Hello world".

```
public class HelloWorld {
    public static void main(String[]
                                args) {
        System.out.print("Hello World");
    }
}
```

Output :-
Hello World

② Program to check if a number is prime or not.

```
public class isPrime {

    public static void main(String[]
                                args) {

        int a = 11;
        int factor = 0;
        for(int i=2; i<(a/2)+1; i++)
        {
            if(a % i == 0)
            {
                factor++;
            }
        }
        if(factor == 0)
        {
            System.out.print("Yes the
                number is prime");
        }
        else {
```