{ Program - 1 } (hello world)

```java
public class hello world {
    public static void main (String[] args) {
        System.out.println ("hello world");
    }
}
```

Output

hello world

{ Program 2 (prime numbers) }

```java
import java.util*
public class prime {
    public static void main (String[] args) {
        int num = 29;
        int cnt = 0;
        for (int i = 2; i <= num/2; i++){
        if (num % i == 0) {
    System.out.println ("Not prime");
        cnt++;
        break; }}
        if (cnt == 0){
    System.out.println ("prime"); }}}
```

Output:

prime

{Program - 3 fibbonacci series}

```java
public class fibonacciseries {
    public static void main (string[] args) {
        int n = 10;
        int y = 0;
        int x = 1;

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

            int z = y + x;
            y = x;
            x = z;
        }
        System.out.println (z);

    }
}
```

Output:

0 1 1 2 3 5 8

{Program - 4   triangle   scaleen , isocelese, equilateral}

```java
public class triangle {
    public static void main (string [] args) {
        int a = 10;
        int b = 20;
        int c = 30;

        if (a==b && b==c && c==a) {

            System. out. println ("equilateral triangle");

        }

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

            System. out. println ("not equilateral it is
            isocelles");
        }

        else {

            System. out. println (" scalenen"); }

    }
}
```

Output

scalene

{ program-5   simple interest }.

```java
public class SI {
    public static void main (string [Jargs )
    {
        int p=1000, r=5, t=3, SI;
        SI = (p* r * t)/100;
        System. out. print (SI);
    }
}
```

Output: 150

{ program - 6 - swap 2 numbers }

```
public class swap {
public static void main (string [] args)
{
    int a = 5, b = 9;
    int c;
    a = b;
    b = c;
    System.out.println ("a=" + a + "b = " + b);
}
}
```

a = 9   b = 5