Week 0

1> Print 'Hello World'

```
class hello_world
{
public static void main (String a [])
{
    System. out. println ("Hello World");
}
}
```

Output

Hello World

2> Prime Number

```
import java.util *
public class prime
{
public static void main ( String a [])
{
    int num = 7; cnt = 0;
    for ( int i=0; i< num/2; i++)
    {
        if num % i ==0)
    {
```

```java
System.out.println ("Not Prime");
cnt++;
break;
}
}
if (cnt ==0)
{
System.out.print ln ("Prime");
}
}
}
```

Output

Prime

Fibonacci Series

```java
class fibonacci
{
public static void main (String a[])
{
int a =0, b=1, c;
System.out.println (a);
System.out.println (b);
for (int i=2; i<10; i++)
{
```

```java
        c = a+b;
        System.out.println(c);
        a=b;
        b=c;
    }
}
}
```

Output

0
1
1
2
3
5
8
13
21

34

Scalene, Isoscels or Equilateral Triangle
class triangle
{
    public static void main (String d[])
    {

```java
int a=6, b=6, c=10;
if (a==b && b==c && c==a)
{
    System.out.println ("Equilateral Triangle");
}
else if (a==b || b==c || a==c)
{
    System.out.println ("Isoscels Triangle");
}
else
{
    System.out.println ("Scalene Triangle");
}
}
}
```

Output
Isoscels Triangle

Simple Interest

```java
class simple-interest
{
    public static void main (String a[])
    {
        int p= 1000, t=2, r=9, i;
```

```
i = p * t * n * /100;
System.out.println("Interest is:")
System.out.println(i);
}
}
```

Output

Interest is:

180

Swap 2 Numbers

```
class swap
{
public static void main (String d[])
{
    int a=10, b=5;
    System.out.println("a = ",a, "b = ", b);
    int c;
    c = a;
    a = b;
    b = c;
    System.out.print("a= ",a, "b=", b);
```

Output

```
a = 10   b = 5
a = 5    b = 10
```