

## WEEK 0

→ To print "Hello world")

class Hello1

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

}

O/P Hello world

→ To check if a number is prime or not

class Prime1

```
public static void main( String args[] ) {  
    int a = 7; int flag = 0;  
    for( int i = 2; i < a; i++ ) {  
        if( a % i == 0 ) {
```

System.out.println("composite");

flag = 1;

break;

}

}

if( flag == 0 ) {

System.out.println("prime");

}

}

}

O/P . Prime

→ To print Isosceles, Equilateral or Scalene

class Triangle {

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

```
int a = 3;  
int b = 4;  
int c = 5;  
if (a == b & & b == c & & b == c) {  
    System.out.println("Equilateral");  
}  
else if (a == b || b == c || c == a) {  
    System.out.println("Isosceles");  
}  
else {  
    System.out.println("Scalene");  
}
```

Opp → Scalene.

→ To swap two numbers

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

int temp;

int a = 1;

int b = 2;

temp = a;

a = b;

b = temp;

System.out.println(a);

System.out.println(b);

}

}

→ To print Fibonacci series

class Fibonacci {

public static void main (String args[])

{

int n1 = 0, n2 = 1, n3;

System.out.println(n1 + " " + n2 + " ");

for (int i = 2; i < 8; i++)

{

~~if~~

n3 = n1 + n2;

n1 = n2;

n2 = n3;

System.out.println(n3 + " ");

}

}

}

0 1 1 2 3 5 8 13 21 34 55

→ To calculate Simple Interest

class Simple {

public static void main (String args[])

{

int p = 10000, t = 2, r = 8, si;

si = (p \* t \* r) / 100;

System.out.println("Simple Interest = " + si);

}

}

✓ 80 P

Simple Interest = 1600