WEEK 0

1) Hello World

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

output:-
            Hello world

2) Prime no.

```
public class prime {
public static void main (String[] args) {
int num = 9
int flag = 0
for (int i = 2; i < num; i++) {
if (num % i == 0) {
flag = 1;
break; }
if (flag == 0) {
System.out.println ("Prime"); }
else {
System.out.println ("Not prime"); }}
```

Output:-
prime.

3)
```java
public class fibonacci {
public static void main (String [] args) {
int tans = 10
int first = 0, second = 1;
System.out.println ("Fibonacci Series:");
for (int i=0; i<terms; i++) {
System.out.println (first + " ");
int next = first + second;
first = second;
second = next;
}}}
```

Output :-

Fibonacci series:
0
1
1
2
3
5
8
13
21
34

4) Triangle

```
public class triangle {
public static void main ( String [ ] args) {
int a = 5;
int b = 10;
int c = 9;
if (a == b) {
if ( b == c) {
System.out.println ("Equilateral");
}
if (a == b || b == c || c == a) {
System.out.println (" Isocceles");
}
else {
System.out.println ( " Scalene");
} } }
```

Output:-

Scalene

5) Swap

```
public class Swap {
public static void main (String [ ] args){
int a = 10, b = 5, temp;
temp = a
a = b
b = temp;
System.out.println ("a =" +a);
System.out.println ("b =" + b); } }
```

6) Simple Interest

```
public . Class si {
public static void main (String [] args){
int p = 40000, r=10, t=5;
float si = p*r*t / 100;
System . Out . println ("SI on Rs. 40000
    at 10% p.a for 5 yrs = Rs. "+si);
} }
```

Output

SI on Rs. 40000 at 10% p.a for 5 yrs
= Rs 20000