LAB - 0

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1)
```
class hello_world
{
public static void main (String a[])
{
System.out.println("Hello World");
}
}
```

O/P:
Hello world

2)
```
class prime
{
public static void main (String a[])
{
  int num=7, flag=0, i;
  for (i=2; i<7; i++)
  {
    if (num % i==0)
    flag=1;
  }
  if (flag==0)
  {
    System.out.println("Prime");
  }
  else
  {
    System.out.println("Not prime");
  }
}
}
```

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3) class fibonacci

```
{
 public static void main(String a[])
 {
  int x1=0, x2=1; x3, i;
  x3 = x1+x2;
  System.out.println(x1+" "+x2);
  for(i=2; i<10; i++)
 {
  x1=x2;
  x2=x3;
  x3=x1+x2;
  System.out.println(x3);
 }
}
```

O/P: 0 1 1 2 3 5 8 13 21 34

4) class triangle

```
{
public static void main (String a[])
 {
  int x=7, y=6, z=4;
  System.out.println("The sides are:"+x+","+y
                     +","+z);
  if(x==y && x==z)
 {
  System.out.println("The triangle is Equilateral");
 }
 else if(y==z || x==z)
 {
  System.out.println("The triangle is Isosceles");
 }
```

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```
else
{
System.out.println("The triangle is scalene");
}
}
```

o/p:
Triangle is scalene

5) class simple
{
Public static void main (String a[])
{
int p=35, r=53, t=42, si;
si = (p*r*t)/100;
System.out.println(si);
}
}

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6) class swap
{
public static void main (String a[])
{
int x=50, y=5, z;

z=x;
x=y;
y=z;

System.out.println("After swap: x = "+x+
" and y = "+y);
}
}

O/P: After swap x=5 and y=50.

DAA
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