NAME: PARTH N PATEL

ID: 19DCS098
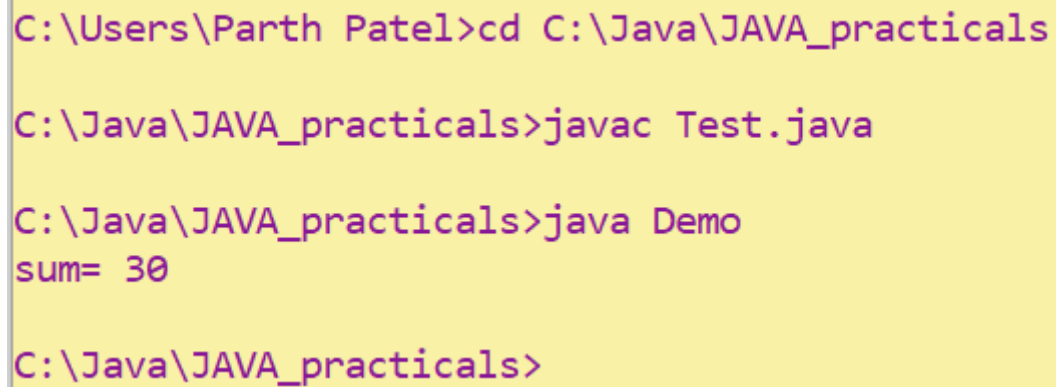
CLASS: CSE 2

SUBJECT: JAVA

Q:1 Program about local variable.

```java
class Demo
{
    public static void main(String[] arg)
    {
        int a=10,b=20;
        System.out.println("sum= " +(a+b));
    }
}
```

OUTPUT:

```
C:\Users\Parth Patel>cd C:\Java\JAVA_practicals

C:\Java\JAVA_practicals>javac Test.java

C:\Java\JAVA_practicals>java Demo
sum= 30

C:\Java\JAVA_practicals>
```

Q:2 How many .class file created if there are three classes?

Code:

class A

{

    public static void main(String[] args)

    {

        System.out.println("Hello World!");

    }

}

class B

{

}

class C

{

}

ANSWER: three .class file will be created.

   1) A.class 2)B.class 3) C.class

Q:3 What happens if we have more than 1 public class?

public Class Demo

{

public static void main(String args[])

{

}

}

public class A{}

public class C{}

Answer:

According to rules in Java, we have to save the file using public class name.

As there are more than one public class compiler will get confused and as a result it will give compilation error.

So, to avoid this java permits utmost one public class only in a single java program.