

Write a Java Program to Print "Hello World".

```
Class Helloworld {
```

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

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

```
    } }
```

Write a Java program to find largest of three numbers using if construct.

```
public class ProgTwo {
```

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

```
        int num1 = 10, num2 = 20, num3 = 7;
```

```
        if (num1 >= num2 && num1 >= num3)
```

```
            System.out.println(num1 + " is the largest Number");
```

```
        else if (num2 >= num1 && num2 >= num3)
```

```
            System.out.println(num2 + " is the largest Number");
```

```
        else
```

```
            System.out.println(num3 + " is the largest Number");
```

Write a Java program to print the values from 1 to n by taking input from the user

```
import java.util. Scanner;
```

```
public class Progthree {
```

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

```
        Scanner sc = new Scanner (System.in);
```

```
        System.out.print ("Enter the value n : ");
```

```
        int n = sc.nextInt ();
```

```
        System.out.println ("Numbers are : ");
```

```
        for (int i=1; i<=n; i++) {
```

```
            System.out.print (i); } } }
```

Q.5

Write a Java program to accept a number n from the user and print n rows of output as given below if n = 4.

1

2

3

4

5

6

7

8

9

10

```
import java.util. Scanner;
```

```
public class Pattern {
```

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

```
        System.out.println ("How many rows you want in this pattern ?");
```

```
        Scanner sc = new Scanner (System.in);
```

```

int noOfRows = sc.nextInt();
int value = 1;
System.out.println("Here are your patterns:");
for (int i = 1; i <= noOfRows; i++) {
    System.out.print(value + "\t");
    value++;
    System.out.println();
}

```

Write a Java Program to accept the CIE marks (out of 50) and SEE marks (out of 100) of a student and print his/her grade. Use if... else if ladder.

```

import java.util.Scanner;
public class StudGrade {
    public static void main (String[] args) {

```

```

        Scanner sc = new Scanner (System.in);
        System.out.println("Enter CIE marks out of 50  
and SEE marks out of 100 of the student");
        double cie = sc.nextDouble();
        double see = sc.nextDouble();
        double total = (see/2.0) + cie;
        if (cie >= 20 && see >= 40) {
            if (total > 90 && total <= 100)
                System.out.println("Grade : S");
            else if (total > 80 && total <= 90)
                System.out.println("Grade : A");
            else if (total > 70 && total <= 80)
                System.out.println("Grade : B");
            else if (total > 60 && total <= 70)

```



```
System.out.println("Grade : C");  
else if (total > 50 && total <= 60)  
System.out.println("Grade : D");  
else if (total > 40 && total <= 50)  
System.out.println("Grade : E"); }  
else  
System.out.println("Grade : F"); } }
```

C:\ Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop

C:\Users\Lenovo\Desktop>javac HelloWorld.java

C:\Users\Lenovo\Desktop>

C:\Users\Lenovo\Desktop>java HelloWorld

Hello, World!

C:\Users\Lenovo\Desktop>

Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop

C:\Users\Lenovo\Desktop>javac ProgTwo.java

C:\Users\Lenovo\Desktop>java ProgTwo
20 is the largest Number

C:\Users\Lenovo\Desktop>_

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop

C:\Users\Lenovo\Desktop>javac Progthree.java

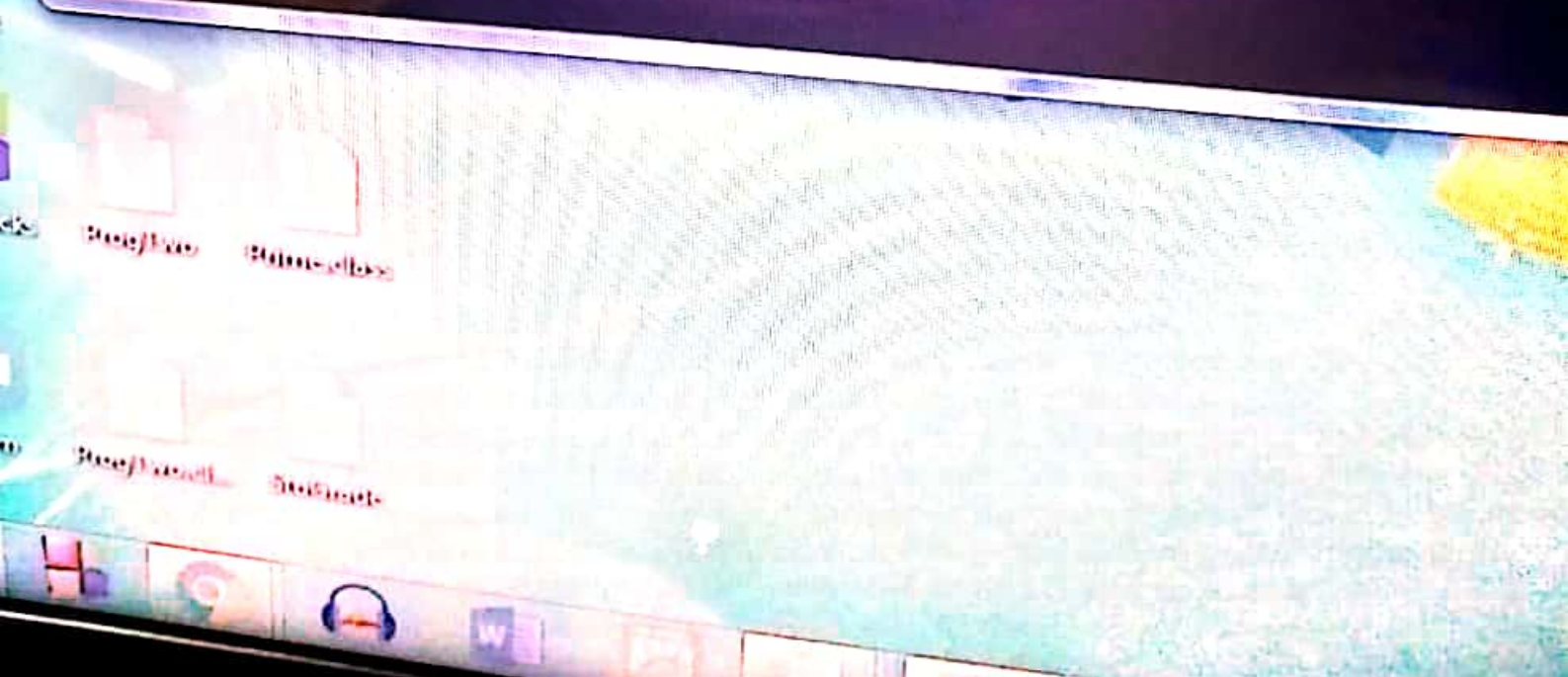
C:\Users\Lenovo\Desktop>java Progthree

Enter the value n : 5

Numbers are :

1
2
3
4
5

C:\Users\Lenovo\Desktop>_



```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop

C:\Users\Lenovo\Desktop>javac Pattern.java

C:\Users\Lenovo\Desktop>java Pattern
How many rows you want in this pattern?
4
Here is your pattern :
1
2      3
4      5      6
7      8      9      10

C:\Users\Lenovo\Desktop>_
```



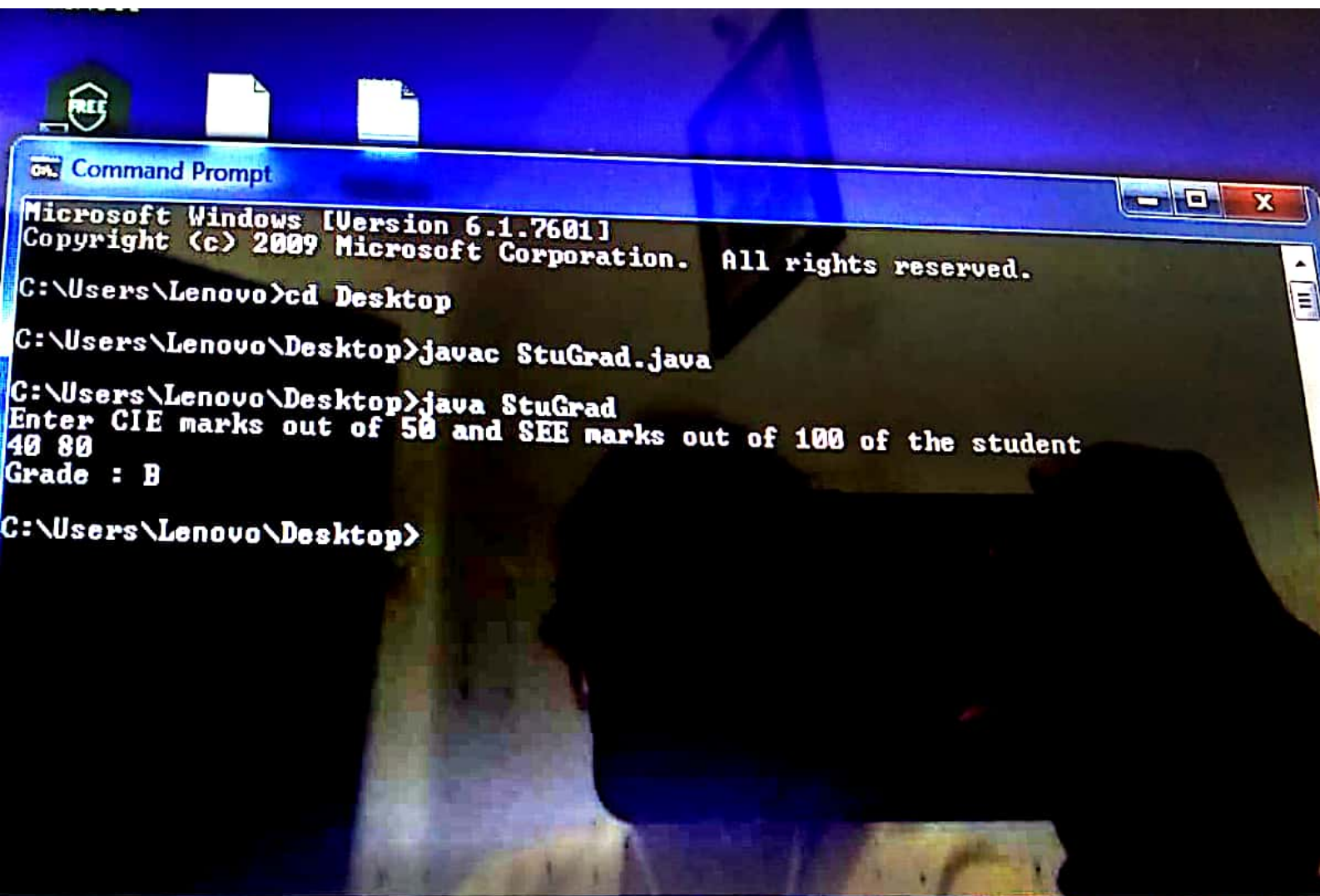
```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop

C:\Users\Lenovo\Desktop>javac Prime.java

C:\Users\Lenovo\Desktop>java Prime
Enter Starting Number : 22
Enter Ending Number : 99
Prime numbers between 22 and 99 are :
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97

C:\Users\Lenovo\Desktop>
```



```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>cd Desktop
C:\Users\Lenovo\Desktop>javac StuGrad.java
C:\Users\Lenovo\Desktop>java StuGrad
Enter CIE marks out of 50 and SEE marks out of 100 of the student
40 80
Grade : B
C:\Users\Lenovo\Desktop>
```



```
1. Advanced DS
2. Advanced Java
3. Advanced DS
John
enter the course number and names of students opting the course
1 prat
enter the names of students opting the course
prat
no. of students in course 1 : 3178193
no. of students in course 2 : 1
no. of students in course 3 : 37
course 2 won't be floated. select from other 2 options
select from course 2 and 3
enter the new course, name=prat
students course 1:prat
students course 2:ritvi
students course 3:john
Process returned 3 (0x3)   execution time : 98.935 s
Press any key to continue.
```