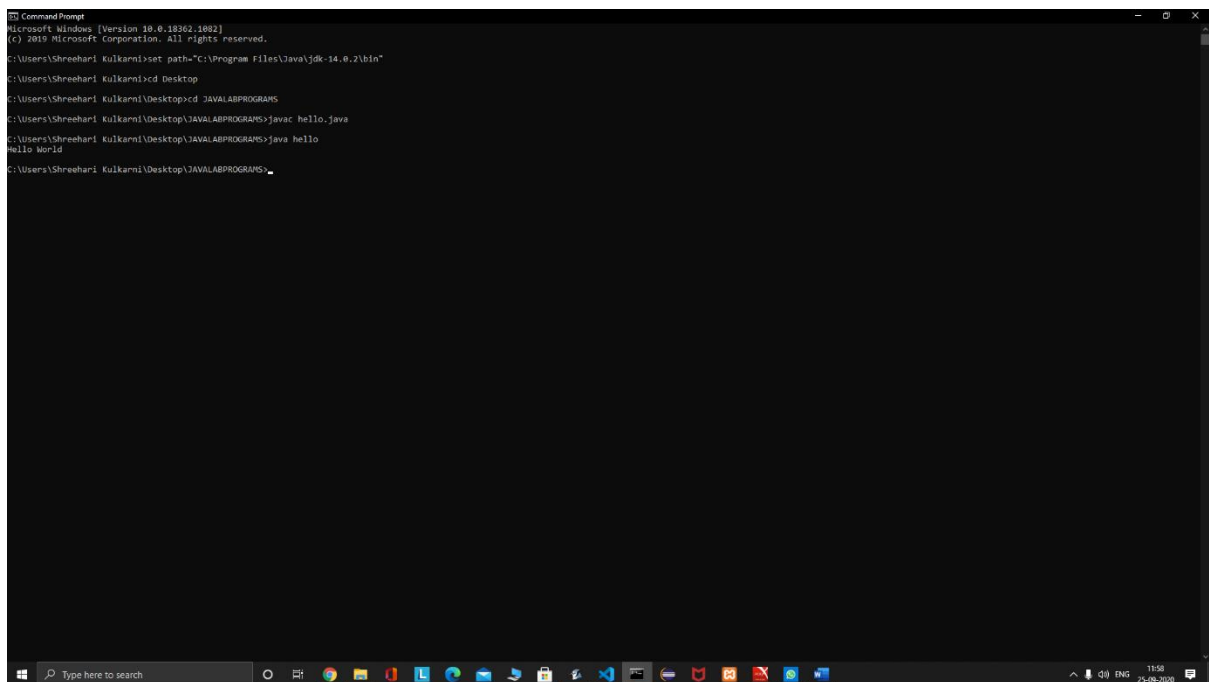1: Program to print hello world

```java
import java.io.*;
public class  hello
{
    public static void main(String[] args)
    {
        System.out.println("Hello World");
    }
}
```

OUTPUT..

2:Program to find the largest of three numbers

```java
import java.io.*;
import java.util.*;
public class large
{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);
        int a,b,c;
        System.out.println("Enter the first number");
        a=sc.nextInt();
        System.out.println("Enter the second number");
        b=sc.nextInt();
        System.out.println("Enter the third number");
        c=sc.nextInt();

        if(a>b&&a>c)
        System.out.println(a + " " + "Is largest");
        else if(b>a&&b>c)
        System.out.println(b + " " + "Is largest");
        else
        System.out.println(c + " " + "Is Largest");

    }
}
```

OUPUT:

```
C:\Users\Shreehari Kulkarni\Desktop\JAVALABPROGRAMS>javac large.java

C:\Users\Shreehari Kulkarni\Desktop\JAVALABPROGRAMS>java large
Enter the first number
7
Enter the second number
2
Enter the third number
15
15 Is Largest

C:\Users\Shreehari Kulkarni\Desktop\JAVALABPROGRAMS>
```

3 : Program to print the values from 1 to n

```java
import java.util.*;
public class input
{
   public static void main(String[] args)
  {
      Scanner sc=new Scanner(System.in);
      int n;
      System.out.println("Enter the value of  n");
      n=sc.nextInt();

      System.out.println("Printing the values from 1 to n");
      for(int i=1;i<=n;i++)
      {
         System.out.println(i);
```
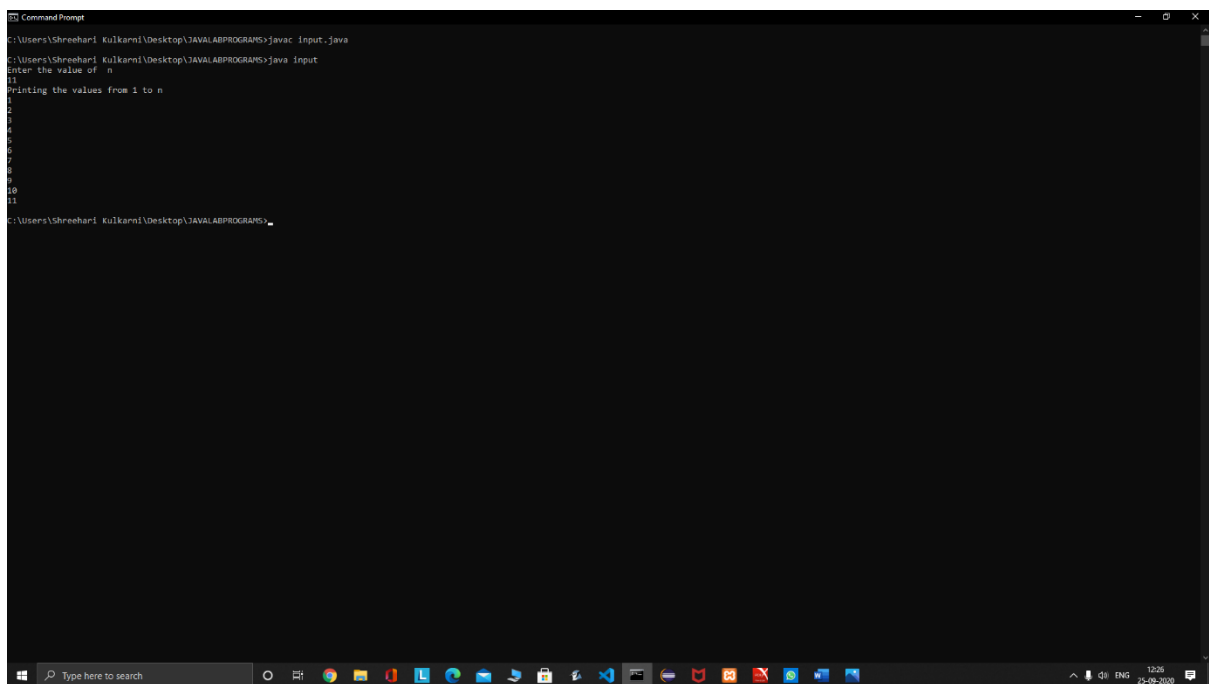
```
        }


    }
}
```

OUTPUT:

4: Write a program to print the pattern

```
import java.io.*; import java.util.*;
 import java.lang.*;
public class firstprogram1
{
  public static void pattern(int n)
    {
```

```java
 int k=1;
 for(int i=1;i<=n;i++)
    {
      for(int j=1;j<=i;j++)
        {
           System.out.print(k + " ");
            k++;
        }
        System.out.println();
    }
}
public static void main(String[] args)
   {
      Scanner sc=new Scanner(System.in);
      int num;
      System.out.println("Enter the number of rows");
     num=sc.nextInt();
      pattern(num);


   }


}
```

OUTPUT:

OUTPUT IS shred in the next screen…

5: program to calculate the grade from cie and see

```java
import java.io.*;

import java.lang.*;

import java.util.*;

public class cie_and_see

{

   private static  double cie;

   private static double see;

   public static void read()

   {

      Scanner sc=new Scanner(System.in);

      System.out.println("Enter the CIE marks out of 50");

      cie=sc.nextFloat();


      System.out.println("Enter the SEE marks out of 100");

      see=sc.nextFloat();
```

```java
}

public static void calc()
{
    read();
    double total=Math.round(cie+((see)/2));
    System.out.println("Total marks obtained is " + total);
    if(total>=90&&total<=100)
    {
        System.out.println("Grade obtained is " + "S");
    }
    else if(total>=80&&total<90)
    {
        System.out.println("Grade obtained is " + "A");
    }
    else if(total>=70&&total<80)
    {
        System.out.println("Grade obtained is " + "B");
    }
    else if(total>=60&&total<70)
    {
        System.out.println("Grade obtained is " + "C");
    }

    else if(total>=50&&total<60)
    {
        System.out.println("Grade obtained is " + "D");

    }

    else if(total>=40&&total<50)
```

```java
        {
            System.out.println("Grade obtained is " + "E");
        }
        else
        {
            System.out.println("Grade obtained is " + "F");
        }
    }


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

OUTPUT:

Output is shared in the next screen..

6: write a program to print all prime numbers between two numbers

import java.io.*;

import java.lang.*;

import java.util.*;

public class prime

{

    public static boolean checkprime(int n)

    {

        int flag=1;

        for(int i=2;i<=n/2;i++)

        {

            if(n%i==0)

            {

                flag=0;

                break;
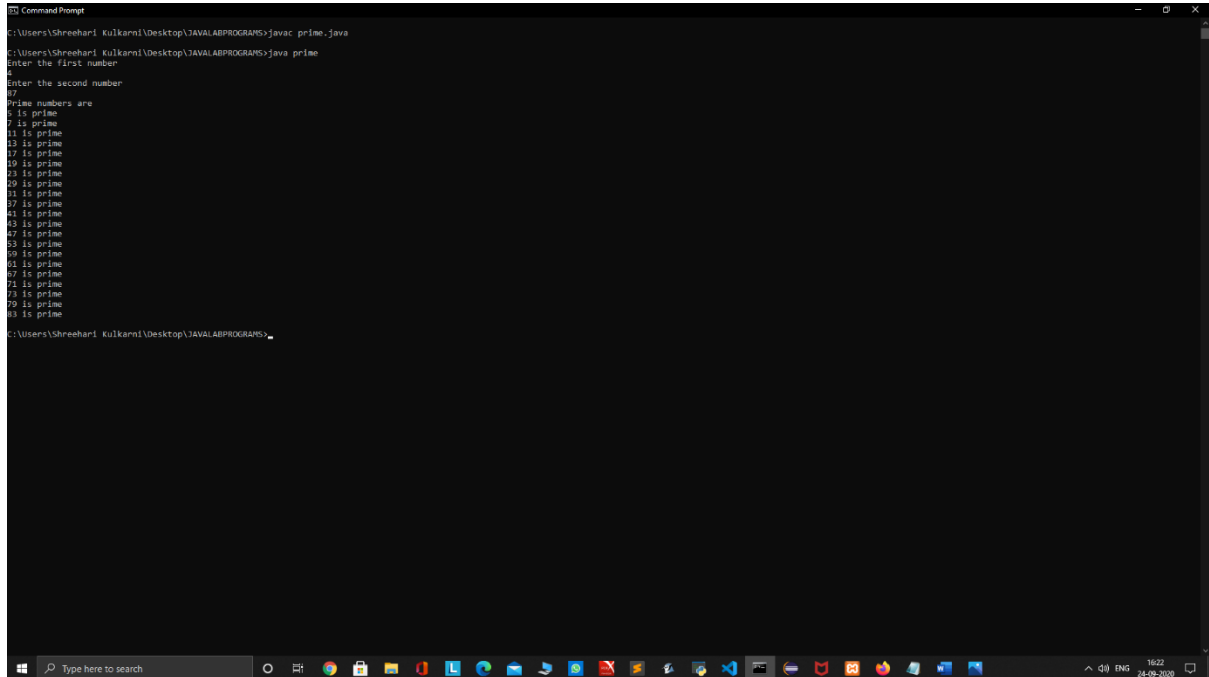
```java
            }

        }
        if(flag==1)
        {
            return true;
        }
        else
        {
            return false;
        }
    }
    public static void main(String[] args)
    {
        int a,b;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the first number");
        a=sc.nextInt();
        System.out.println("Enter the second number");
        b=sc.nextInt();
        System.out.println("Prime numbers are ");
        for(int i=a;i<=b;i++)
        {
            if(checkprime(i))
            {
                System.out.println(i + " " + "is prime");
            }
        }
    }
}
```

OUTPUT:

7:Program to count the number of students registered for the particular course:

#include<stdio.h>

char name[50][50];

int choice;

int choice_new;

int c_IOT=0;

int c_advanced_and_j2=0;

int c_advanced_data_structures=0;

int n;

void read()

{

```c
    printf("Enter the number of students\n");

    scanf("%d",&n);

    for(int i=0;i<n;i++)

    {

        printf("Enter the name of student %d\n",(i+1));

        scanf("%s",name[i]);

    }

}

int main()

{

    read();

    printf("1:Internet Of Things\n2:Advanced Java And J2EE\n3:Advanced DataStructures\n");


    for(int i=0;i<n;i++)

    {


        printf("Enter the choice of student %s\n",name[i]);

        scanf(" %d",&choice);

        read:

       switch(choice)

       {

        case 1:

        printf("student %s applied for internet of things is \n",name[i]);

        c_IOT++;

        break;



        case 2:

        printf("student %s appllied for advanced java and J2EEE is  \n",name[i]);

        c_advanced_and_j2++;

        break;
```

```c
    case 3:

    printf("student %s has applied for Advanced data structures \n",name[i]);

    c_advanced_data_structures++;

    break;


    }

}

printf("Number of students applied for Internet of things is %d \n",c_IOT);

printf("Number of students applied for advanced java and J2EEE is %d \n",c_advanced_and_j2);

printf("Number of students applied for data structures is %d\n",c_advanced_data_structures);

for(;;)

{

  if(c_IOT<=30)

  {

    printf("This Course cannot be floated please select the other from the other two course\n");

    printf("2:Advanced Java And J2EE\n3:Advanced DataStructures\n");

    scanf(" %d",&choice_new);

    break;

  }


  if(c_advanced_and_j2<=30)


  {

  printf("This Course cannot be floated please select the other course\n");

  printf("1:Internet Of Things\n3:Data structures\n");

  scanf(" %d",&choice_new);

  break;


  }
```

```c
        if(c_advanced_data_structures<=30)

        {
         printf("This Course cannot be floated please select the other course\n");
         printf("1:Internet Of Things\n2:Advanced java and j2eee\n");
         scanf(" %d",&choice_new);
         break;
        }
       break;
      }
      switch(choice_new)
      {
        case 1:
        c_IOT++;
        break;


        case 2:
        c_advanced_and_j2++;
        break;


        case 3:
        c_advanced_data_structures++;
        break;
      }
     printf("****************After modification****************\n");
     printf("Number of students applied for Internet of things is %d \n",c_IOT);
     printf("Number of students applied for advanced java and J2EEE is %d \n",c_advanced_and_j2);
     printf("Number of students applied for data structures is %d\n",c_advanced_data_structures);
}
```

OUTPUT:

Here the output is given number of students as 4

OUTPUT:


```
Enter the number of students
4
Enter the name of student 1
Hari
Enter the name of student 2
Subhas
Enter the name of student 3
Harish
Enter the name of student 4
Amar
1:Internet Of Things
2:Advanced Java And J2EE
3:Advanced DataStructures
Enter the choice of student Hari
1
student Hari applied for internet of things is
Enter the choice of student Subhas
1
student Subhas applied for internet of things is
Enter the choice of student Harish
3
student Harish has applied for Advanced data structures
Enter the choice of student Amar
3
student Amar has applied for Advanced data structures
Number of students applied for Internet of things is 2
Number of students applied for advanced java and J2EEE is 0
Number of students applied for data structures is 2
This Course cannot be floated please select the other course
1:Internet Of Things
3:Data structures
3
******************After modification******************
Number of students applied for Internet of things is 2
Number of students applied for advanced java and J2EEE is 0
Number of students applied for data structures is 3


...Program finished with exit code 0
Press ENTER to exit console.
```