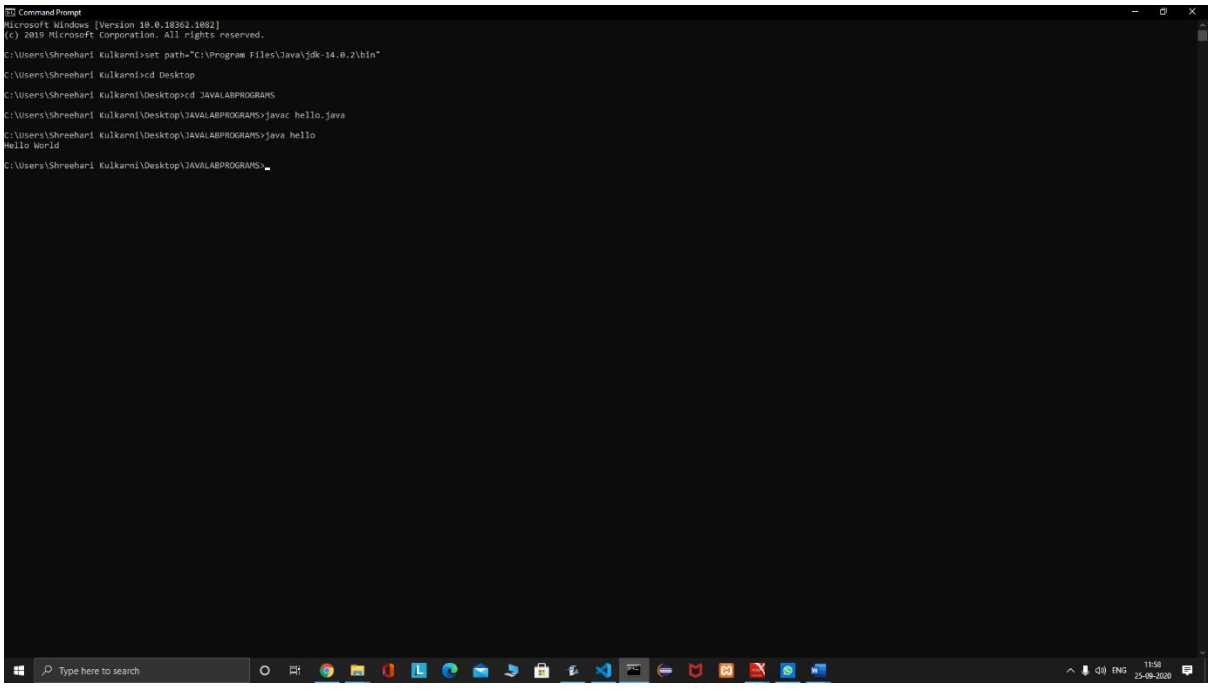
1: Program to print hello world

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

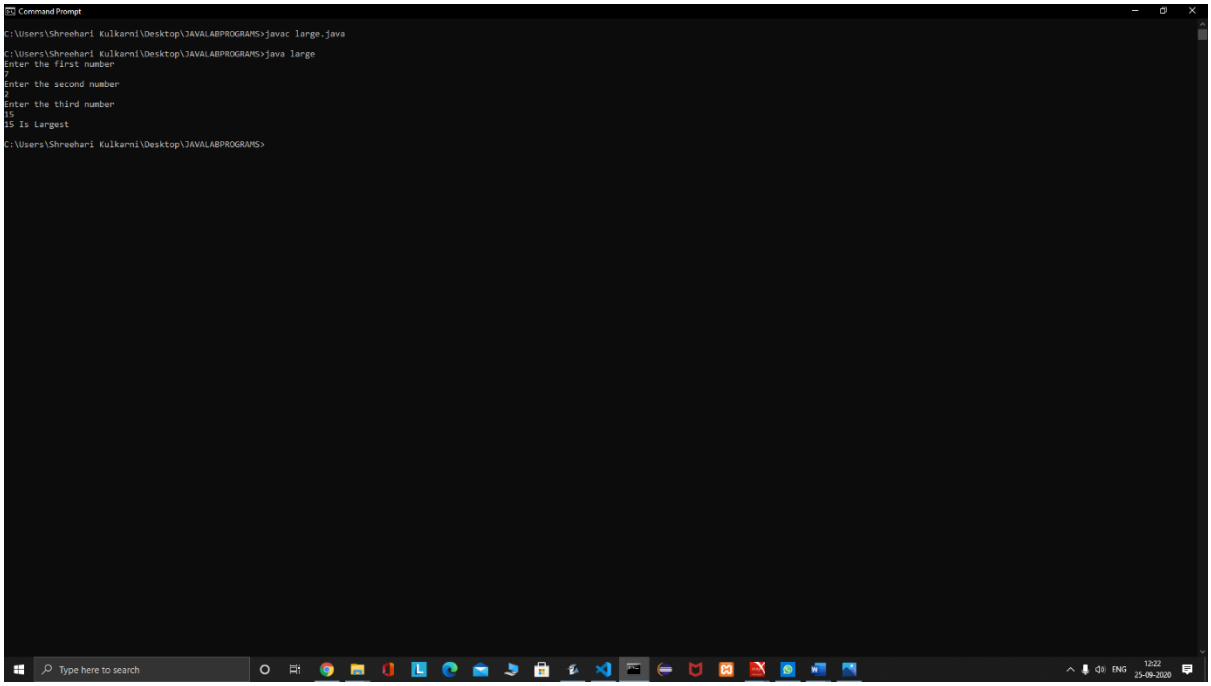
OUTPUT..



2:Program to find the largest of three numbers

```
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:

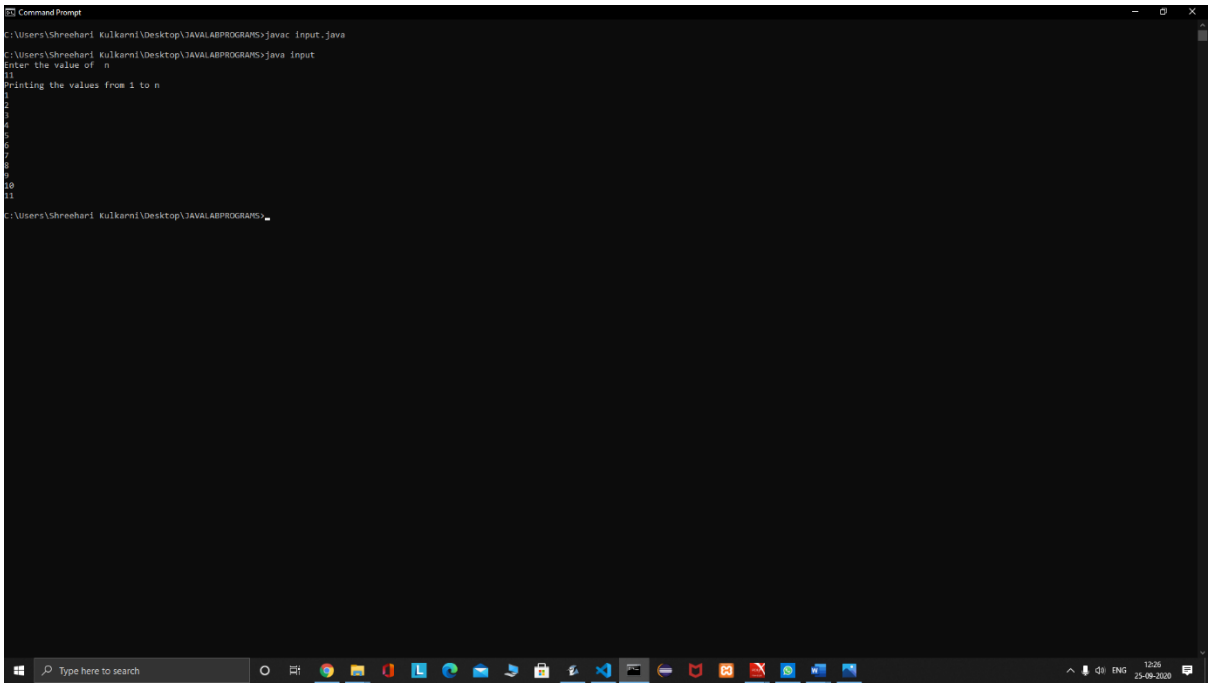


3 : Program to print the values from 1 to n

```
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:



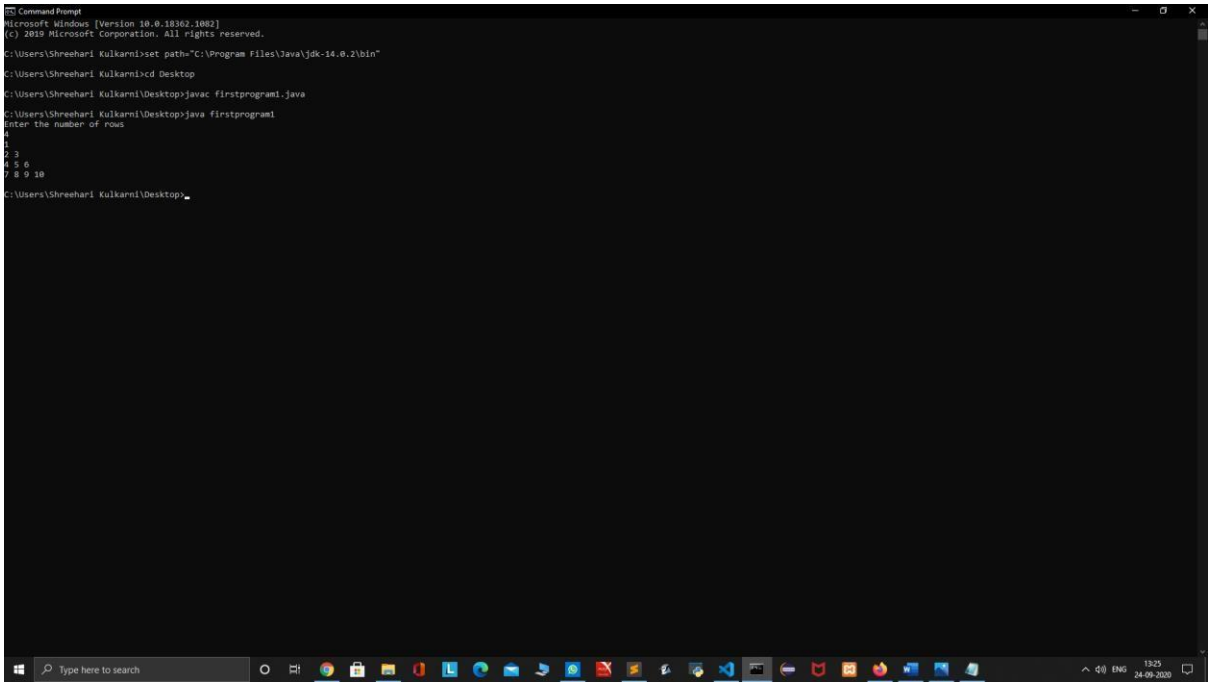
4: Write a program to print the pattern

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

```
 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

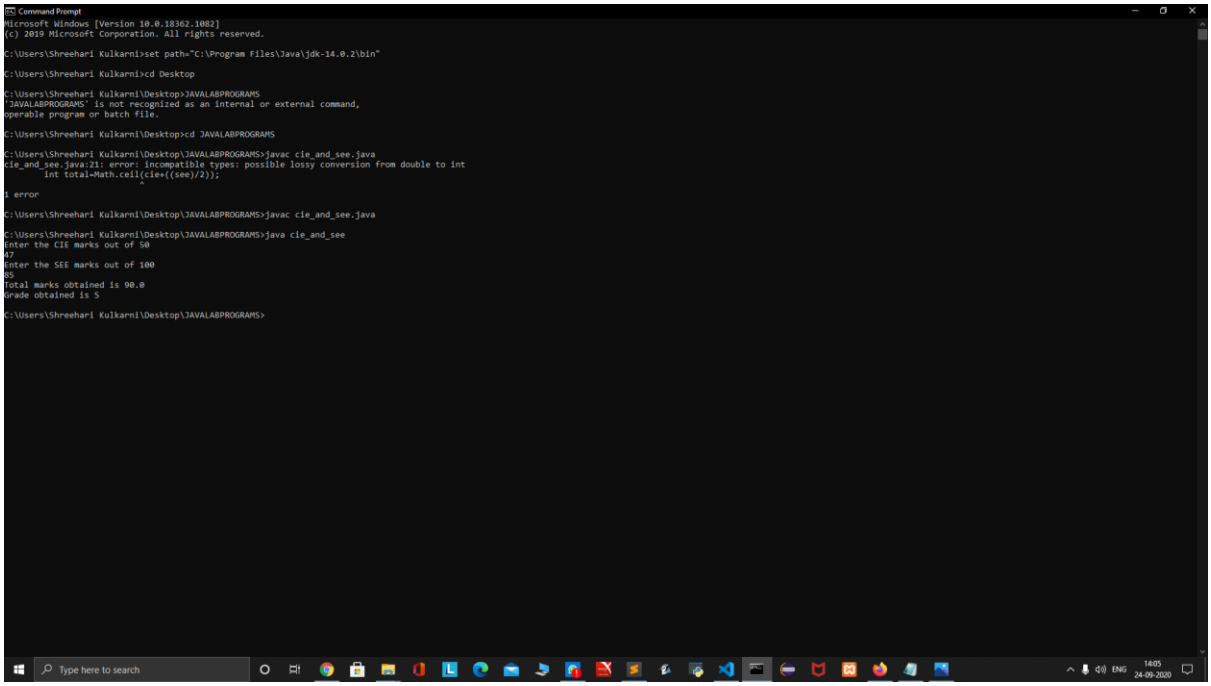
```
import java.io.*;
import java.lang.*;
import java.util.*;
public class cie_and_see
{
   private static  double cie;
   private static double see;
   public static void read()
   {
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter the CIE marks out of 50");
      cie=sc.nextFloat();

      System.out.println("Enter the SEE marks out of 100");
      see=sc.nextFloat();
```

```
}

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)
```

```
        {
            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..

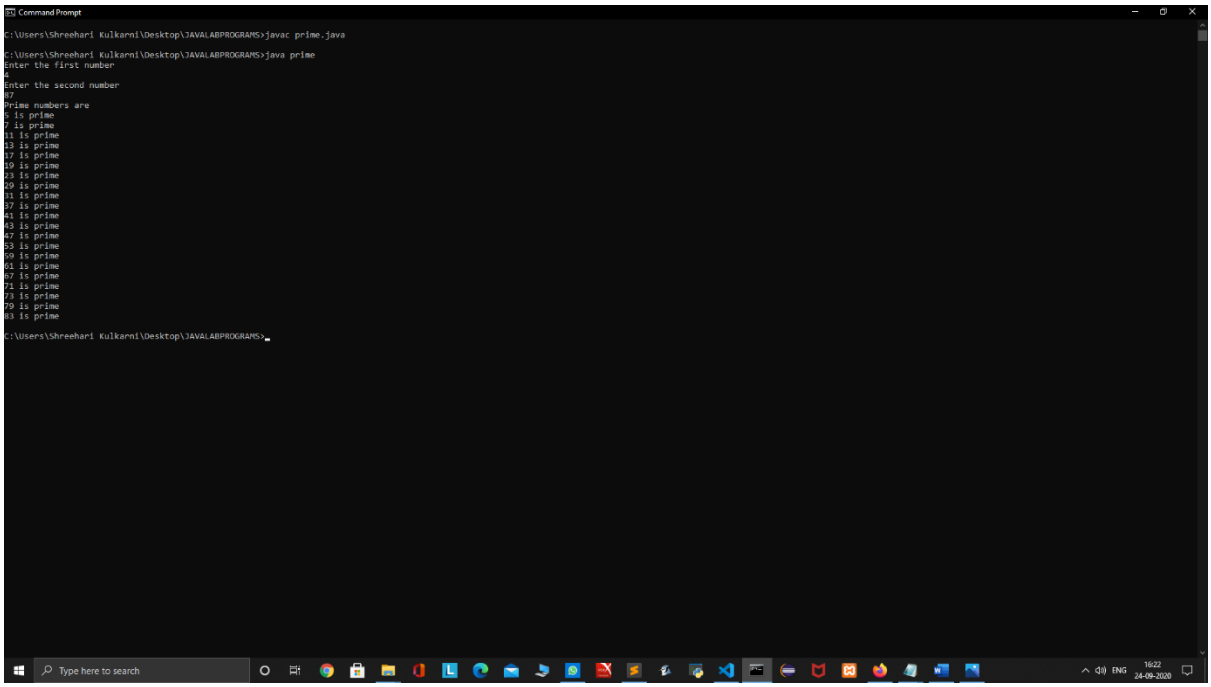


6: write a program to print all prime numbers between two numbers

```
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;
```

```
        }


    }
    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()
{
```

```
    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;
```

```
   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;

  }
```

```
      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: