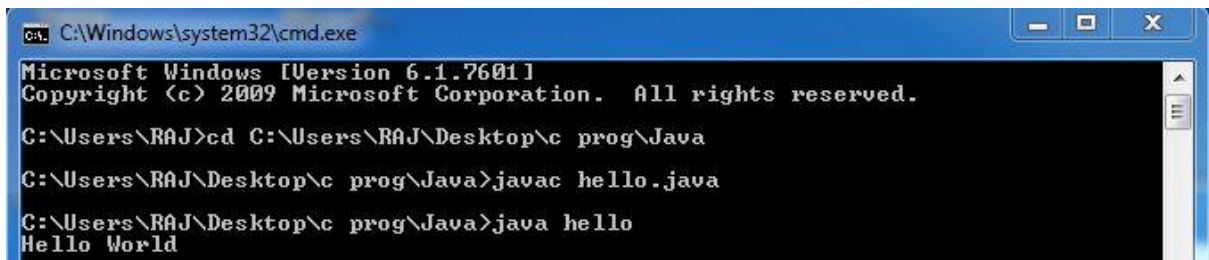


1 Write a Java Program to Print “Hello World”

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



A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\system32\cmd.exe'. The window content displays the following text:
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\RAJ>cd C:\Users\RAJ\Desktop\c prog\Java
C:\Users\RAJ\Desktop\c prog\Java>javac hello.java
C:\Users\RAJ\Desktop\c prog\Java>java hello
Hello World

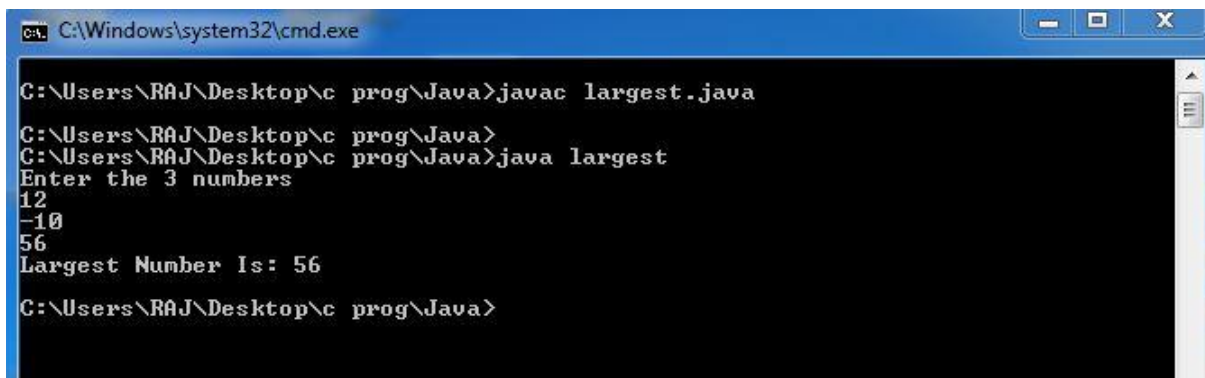
2 Write a Java program to find largest of three numbers using if construct

```
import java.util.Scanner;  
  
class largest  
{  
    public static void main(String[] args)  
    {  
  
        int a,b,c,large;  
        Scanner in=new Scanner(System.in);  
        System.out.println("Enter the 3 numbers");  
        a=in.nextInt();  
        b=in.nextInt();
```

```

        c=in.nextInt();
        if(a>b)
        {
            if(a>c)
            large=a;
            else
            large=c;
        }
        else
        {
            if(b>c)
            large=b;
            else
            large=c;
        }
        System.out.println("Largest Number Is: "+large);
    }
}

```



```

C:\Windows\system32\cmd.exe

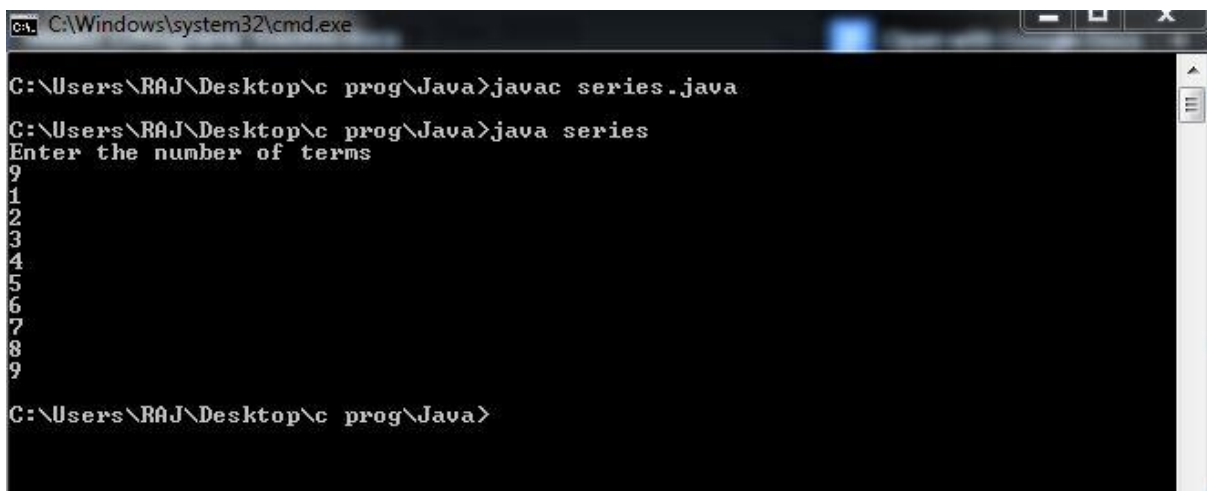
C:\Users\RAJ\Desktop\c prog\Java>javac largest.java
C:\Users\RAJ\Desktop\c prog\Java>
C:\Users\RAJ\Desktop\c prog\Java>java largest
Enter the 3 numbers
12
-10
56
Largest Number Is: 56
C:\Users\RAJ\Desktop\c prog\Java>

```

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

```
import java.util.*;

class series
{
    public static void main(String[] args)
    {
        Scanner in= new Scanner(System.in);
        int n;
        System.out.println("Enter the number of terms");
        n=in.nextInt();
        for(int i=1;i<=n;i++)
        {
            System.out.println(i+" ");
        }
    }
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Windows\system32\cmd.exe". The command prompt displays the following sequence of commands and output:

```
C:\Users\RAJ\Desktop\c prog\Java>javac series.java
C:\Users\RAJ\Desktop\c prog\Java>java series
Enter the number of terms
9
1
2
3
4
5
6
7
8
9
C:\Users\RAJ\Desktop\c prog\Java>
```

The output shows that the program successfully compiled and executed, printing the numbers 1 through 9 as requested by the user input of 9.

4. 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.*;
class pattern
{
    public static void main(String[] args)
    {
        int n,a=1;
        Scanner in= new Scanner(System.in);
        System.out.println("Enter Number of rows");
        n=in.nextInt();
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print(a++ + " ");
            }
            System.out.println();
        }
    }
}
```

```

    }
}
}

```

```

C:\Windows\system32\cmd.exe
C:\Users\RAJ\Desktop\c prog\Java>javac pattern.java
C:\Users\RAJ\Desktop\c prog\Java>java pattern
Enter Number of rows
6
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
C:\Users\RAJ\Desktop\c prog\Java>

```

5. 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... elseif ladder

```

import java.util.*;

class marks
{
    public static void main(String[] args)
    {
        float cie,see;
        char grade;
        Scanner in= new Scanner(System.in);
        System.out.println("Enter CIE(out of 50) and SEE marks(out of 100)");
        cie=in.nextInt();

```

```
    see=in.nextInt();
    float tot= cie+(see/2);
    if(tot>=89.5&&tot<=100)
        grade='S';
    else if(tot>=79.5&&tot<89.5)
        grade='A';
    else if(tot>=69.5&&tot<79.5)
        grade='B';
    else if(tot>=59.5&&tot<69.5)
        grade='C';
    else if (tot>=49.5&&tot<59.5)
        grade='D';
    else if(tot>=39.5&&tot<49.5)
        grade='E';
    else
        grade='F';
    if(cie<19.5||see<39.5)
        grade='F';
    System.out.println("Grade Obtained: "+grade);
}
}
```

```
C:\Windows\system32\cmd.exe

C:\Users\RAJ\Desktop\c prog\Java>javac marks.java
C:\Users\RAJ\Desktop\c prog\Java>java marks
Enter CIE(out of 50) and SEE marks(out of 100)
45
39
Grade Obtained: F
C:\Users\RAJ\Desktop\c prog\Java>java marks
Enter CIE(out of 50) and SEE marks(out of 100)
45
69
Grade Obtained: A
C:\Users\RAJ\Desktop\c prog\Java>
```

6. Write a C/Java program to print the prime numbers between given two integers

(inclusive). Accept these two integers from the user.

```
import java.util.*;

class primenos
{
    public static void main(String[] args)
    {
        int a,b,flag=0,chck=0;

        Scanner in= new Scanner(System.in);

        System.out.println("Enter the 2 numbers");

        a=in.nextInt();

        b=in.nextInt();

        System.out.println("Prime numbers between "+a+" and "+b+":");

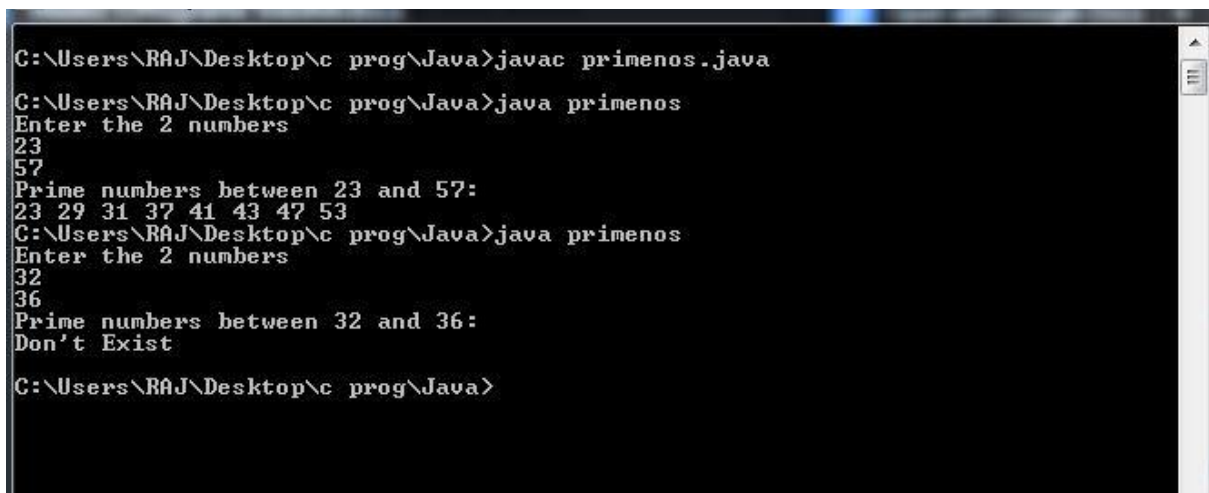
        for(int i=a;i<=b;i++)
        {

            flag=0;
```

```

        for(int j=2;j<=i/2;j++)
        {
            if(i%j==0)
                flag++;
        }
        if(flag==0&&il!=1)
        {
            System.out.print(i+" ");
            chck++;
        }
    }
    if(chck==0)
        System.out.println("Don't Exist");
}
}

```



```

C:\Users\RAJ\Desktop\c prog\Java>javac primenos.java
C:\Users\RAJ\Desktop\c prog\Java>java primenos
Enter the 2 numbers
23
57
Prime numbers between 23 and 57:
23 29 31 37 41 43 47 53
C:\Users\RAJ\Desktop\c prog\Java>java primenos
Enter the 2 numbers
32
36
Prime numbers between 32 and 36:
Don't Exist
C:\Users\RAJ\Desktop\c prog\Java>

```