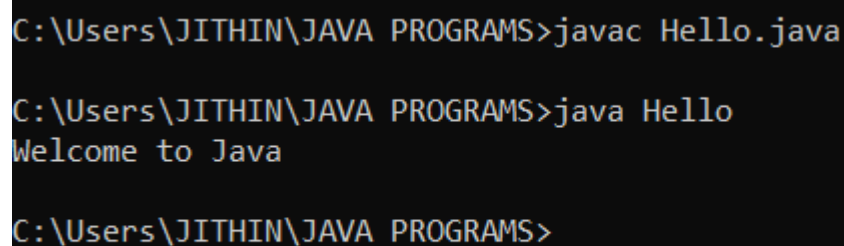**SECTION 1**

1.Write a program to print 'Welcome to Java'.

```
public class Hello

{

public static void main(String aargs[])

{

System.out.println("Welcome to Java");

}

}
```

```
C:\Users\JITHIN\JAVA PROGRAMS>javac Hello.java

C:\Users\JITHIN\JAVA PROGRAMS>java Hello
Welcome to Java

C:\Users\JITHIN\JAVA PROGRAMS>
```

2.WAP to display two numbers received as command line argument, and print its product.

```
import java.io.*;

import java.lang.*;

public class NumProd

{

public static void main(String aargs[])

{

try

{

String s;


System.out.println("Enter a: ");

DataInputStream dis=new DataInputStream(System.in);

s=dis.readLine();

int a=Integer.parseInt(s);
```

```java
System.out.println("Enter b: ");

dis=new DataInputStream(System.in);

s=dis.readLine();

int b=Integer.parseInt(s);


int product=a*b;


System.out.println("a: "+a);

System.out.println("b: "+b);

System.out.println("product of a and b: "+product);

}

catch(Exception e)

{

System.out.println(e);

}

}

}
```
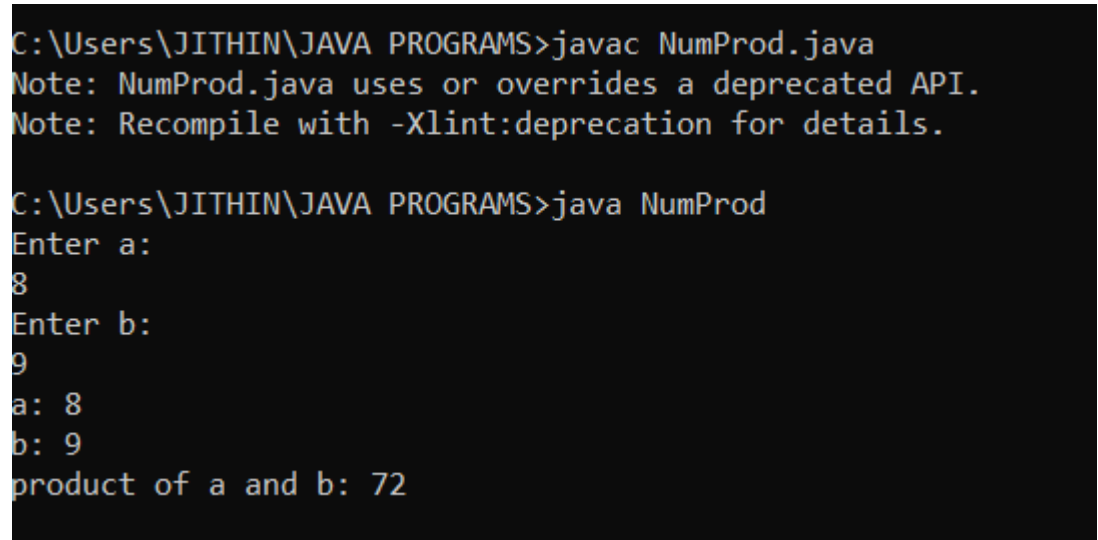
```
C:\Users\JITHIN\JAVA PROGRAMS>javac NumProd.java
Note: NumProd.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

C:\Users\JITHIN\JAVA PROGRAMS>java NumProd
Enter a:
8
Enter b:
9
a: 8
b: 9
product of a and b: 72
```

3.WAP to read two numbers and display the output in the form of 'Sum of 2 and 3 is 5.

```java
import java.io.*;

import java.lang.*;
```

```java
public class NumAdd
{
public static void main(String aargs[])
{
try
{
String s;

System.out.println("Enter a: ");
DataInputStream dis=new DataInputStream(System.in);
s=dis.readLine();
int a=Integer.parseInt(s);

System.out.println("Enter b: ");
dis=new DataInputStream(System.in);
s=dis.readLine();
int b=Integer.parseInt(s);

int sum=a+b;

System.out.println("a: "+a);
System.out.println("b: "+b);
System.out.println("Sum of " +a+ " and " +b+ " is " +sum);
}
catch(Exception e)
{
System.out.println(e);
}
}
}
```

```
C:\Users\JITHIN\JAVA PROGRAMS>javac NumAdd.java
Note: NumAdd.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

C:\Users\JITHIN\JAVA PROGRAMS>java NumAdd
Enter a:
6
Enter b:
8
a: 6
b: 8
Sum of 6 and 8 is 14
```

4.WAP to accept two numbers from the keyboard and swap them.

import java.io.*;

public class SwapNum

{

public static void main(String args[])

{

try

{

String s;

System.out.println("Enter a: ");

DataInputStream dis=new DataInputStream(System.in);

s=dis.readLine();

int a=Integer.parseInt(s);

System.out.println("Enter b: ");

dis=new DataInputStream(System.in);

s=dis.readLine();

int b=Integer.parseInt(s);

System.out.println("Before swapping: ");

System.out.println("a: "+a);

```java
System.out.println("b: "+b);

int t=a;
a=b;
b=t;

System.out.println("After swapping: ");
System.out.println("a: "+a);
System.out.println("b: "+b);

}
catch(Exception e)
{
System.out.println(e);
}
}
}
```

```
C:\Users\JITHIN\JAVA PROGRAMS>javac  SwapNum.java
Note: SwapNum.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

C:\Users\JITHIN\JAVA PROGRAMS>java  SwapNum
Enter a:
8
Enter b:
5
Before swapping:
a: 8
b: 5
After swapping:
a: 5
b: 8
```