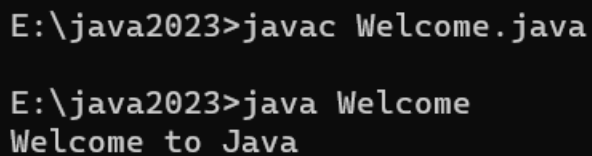


**1. Write a program to print 'Welcome to Java'.**

```
public class Welcome
{
    public static void main(String aargs[])
    {
        System.out.println("Welcome to Java");
    }
}
```

**Output**



```
E:\java2023>javac Welcome.java
E:\java2023>java Welcome
Welcome to Java
```

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

```
import java.io.*;

class Product
{
    public static void main(String args[])
    {
        DataInputStream din;
        int a,b;
        String s;
        din=new DataInputStream(System.in);
        try
        {
            System.out.println("Enter the first number:");
            s=din.readLine();
            a=Integer.parseInt(s);
```

```
System.out.println("Enter the second number:");

s=din.readLine();

b=Integer.parseInt(s);

System.out.println("Product of " +a+ " and " +b+ " is: " +(a*b));

}

catch(Exception e)

{

System.out.println("Error is:"+e);

}

}

}
```

### **Output**

```
E:\java2023>javac Product.java
Note: Product.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

E:\java2023>java Product
Enter the first number:
4
Enter the second number:
7
Product of 4 and 7 is: 28
```

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

```
import java.io.*;

import java.lang.*;

public class NumSum

{

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);

}

}

}
```

### **Output**

```
E:\java2023>javac NumSum.java
Note: NumSum.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

E:\java2023>java NumSum
Enter a:
2
Enter b:
3
a: 2
b: 3
Sum of 2 and 3 is 5
```

#### **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);
            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);
        }
    }
}
```

### Output

```
E:\java2023>javac SwapNum.java
Note: SwapNum.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

E:\java2023>java SwapNum
Enter a:
10
Enter b:
50
Before swapping:
a: 10
b: 50
After swapping:
a: 50
b: 10
```