

Java Program to add two complex numbers:

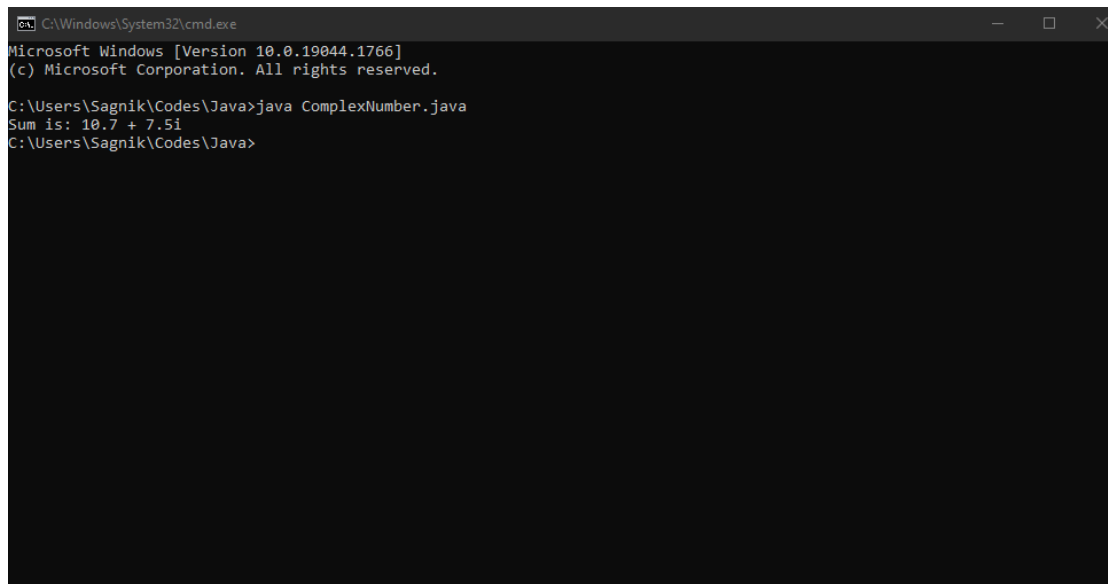
Code:

```
ComplexNumber - Notepad
File Edit Format View Help
public class ComplexNumber{
    double real, img;
    ComplexNumber(double r, double i){
        this.real = r;
        this.img = i;
    }

    public static ComplexNumber sum(ComplexNumber c1, ComplexNumber c2)
    {
        ComplexNumber temp = new ComplexNumber(0, 0);

        temp.real = c1.real + c2.real;
        temp.img = c1.img + c2.img;
        return temp;
    }
    public static void main(String args[]) {
        ComplexNumber c1 = new ComplexNumber(8.5, 4);
        ComplexNumber c2 = new ComplexNumber(2.2, 3.5);
        ComplexNumber temp = sum(c1, c2);
        System.out.printf("Sum is: "+ temp.real+" "+ temp.img +"i");
    }
}
```

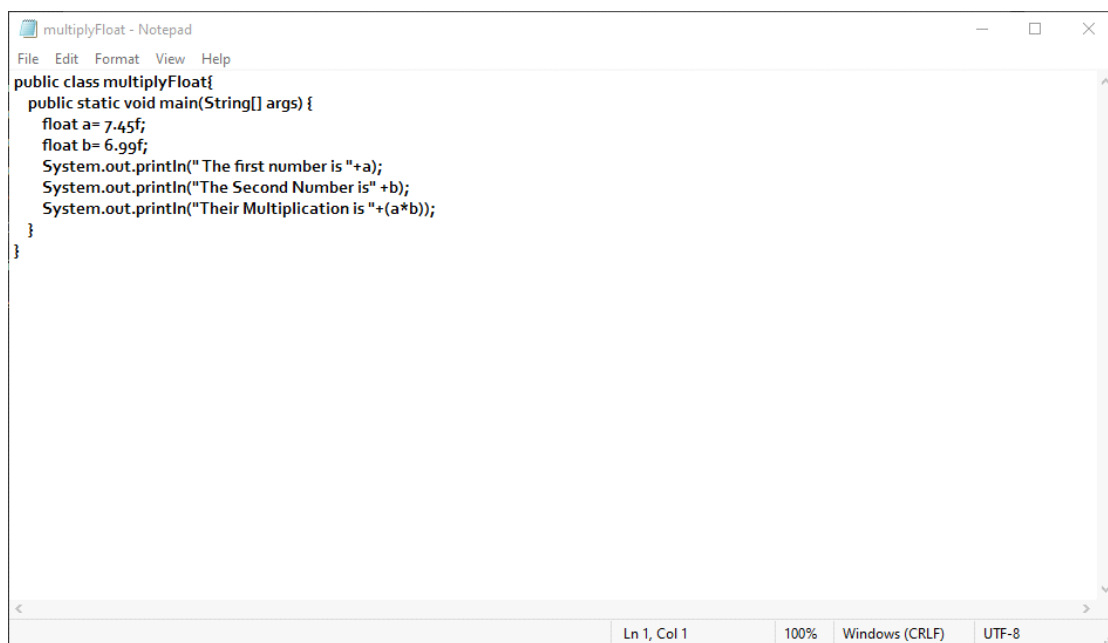
Output:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Sagnik\Codes\Java>java ComplexNumber.java
Sum is: 10.7 + 7.5i
C:\Users\Sagnik\Codes\Java>
```

Java Program to Multiply Two Floating-Point Numbers:



```
multiplyFloat - Notepad
File Edit Format View Help
public class multiplyFloat{
    public static void main(String[] args) {
        float a= 7.45f;
        float b= 6.99f;
        System.out.println("The first number is "+a);
        System.out.println("The Second Number is" +b);
        System.out.println("Their Multiplication is "+(a*b));
    }
}
```

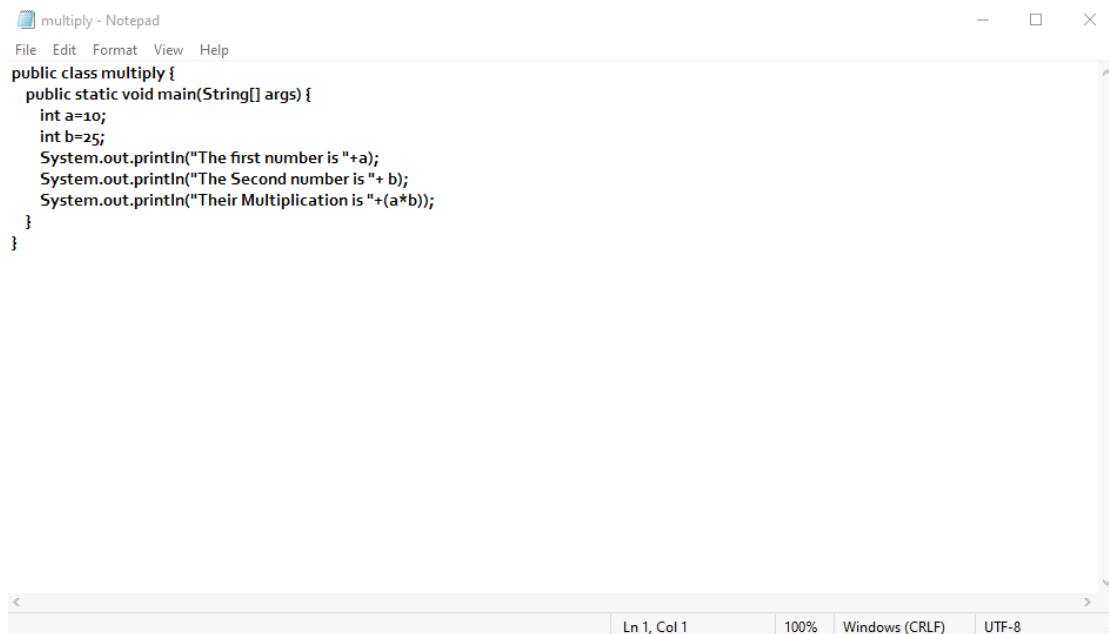
Java Program to Add two Numbers:



```
add - Notepad
File Edit Format View Help
public class add {
    public static void main(String[] args) {
        int a=10;
        int b=12;
        System.out.println("The First Number is "+a);
        System.out.println("The Second Number is "+b);
        System.out.println("Their addition is "+(a+b));
    }
}
```

Ln 10, Col 1 100% Windows (CRLF) UTF-8

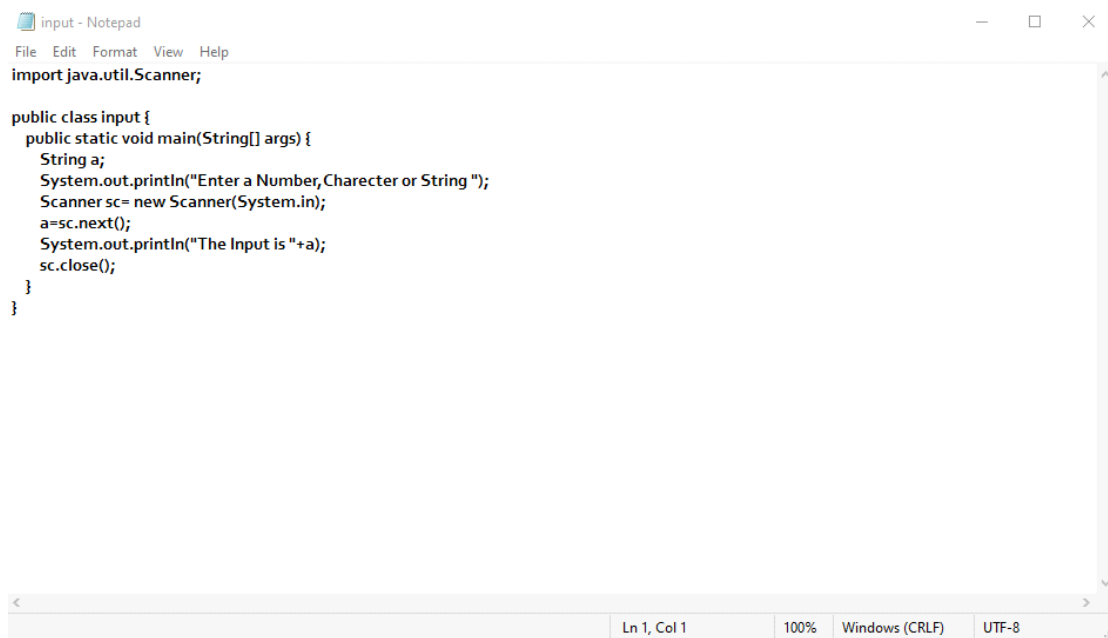
Java Program to Multiply two Numbers:



```
multiply - Notepad
File Edit Format View Help
public class multiply {
    public static void main(String[] args) {
        int a=10;
        int b=25;
        System.out.println("The first number is "+a);
        System.out.println("The Second number is "+ b);
        System.out.println("Their Multiplication is "+(a*b));
    }
}
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8

Get input from user:

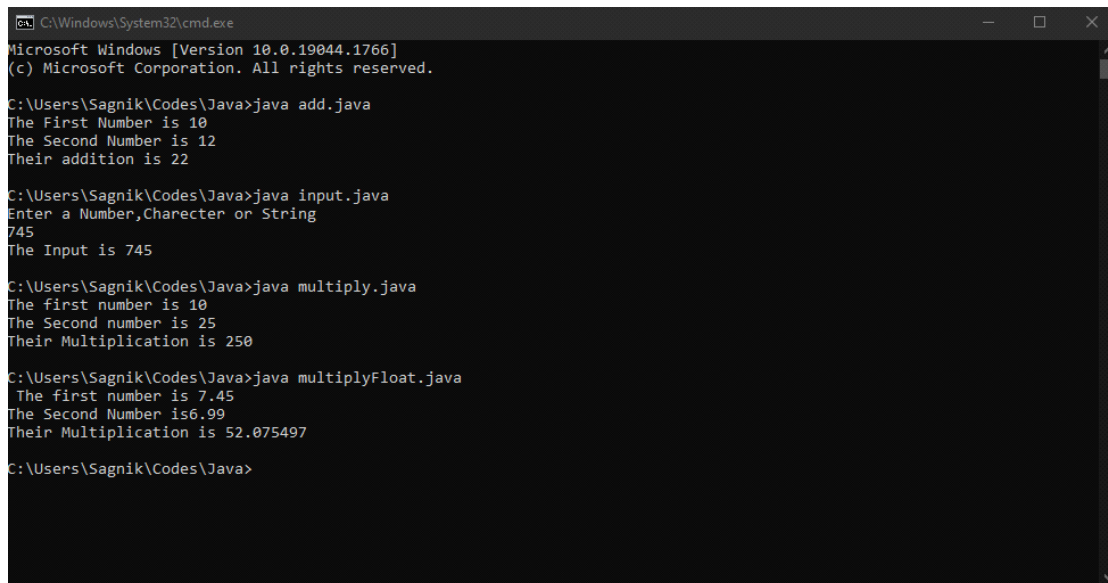


```
input - Notepad
File Edit Format View Help
import java.util.Scanner;

public class input {
    public static void main(String[] args) {
        String a;
        System.out.println("Enter a Number,Charecter or String ");
        Scanner sc= new Scanner(System.in);
        a=sc.next();
        System.out.println("The Input is "+a);
        sc.close();
    }
}
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8

Output of the Last four Programs:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Sagnik\Codes\Java>java add.java
The First Number is 10
The Second Number is 12
Their addition is 22

C:\Users\Sagnik\Codes\Java>java input.java
Enter a Number,Charecter or String
745
The Input is 745

C:\Users\Sagnik\Codes\Java>java multiply.java
The first number is 10
The Second number is 25
Their Multiplication is 250

C:\Users\Sagnik\Codes\Java>java multiplyFloat.java
The first number is 7.45
The Second Number is6.99
Their Multiplication is 52.075497

C:\Users\Sagnik\Codes\Java>
```