



Operation.java Main.java Main1.java operation_1.java

```

1 package Com.project;
2
3 public class operation_1 {
4
5     public void add(int X, int Y)
6     {
7         System.out.println("Add of Two Numbers");
8         int C=X+Y;
9         System.out.println("The Addition of " +X + " + " +Y + " = " +C);
10    }
11    public void add(int X, int Y, int Z)
12    {
13        System.out.println("Add of Three Numbers");
14        int C=X+Y+Z;
15        System.out.println("The Addition of " +X + " + " +Y + " + " +Z+ " = " +C);
16    }
17
18
19    public void sub(int X, int Y)
20    {
21        System.out.println("Sub of Two Numbers");
22        int C=X-Y;
23        System.out.println("The Sustraction of " +X + " - " +Y + " = " +C);
24    }
25    public void sub(int X, int Y, int Z)
26    {
27        System.out.println("Sub of Three Numbers");
28        int C=X-Y-Z;
29        System.out.println("The Substraction of " +X + " - " +Y+ " - " +Z+ " = " +C);
30    }
31
32
33    public void Mul(int X, int Y)
34    {
35        System.out.println("Mul of Two Numbers");
36        int C=X*Y;
37        System.out.println("The Multiplication of " +X + " * " +Y + " = " +C);
38    }
39    public void Mul(int X, int Y, int Z)

```

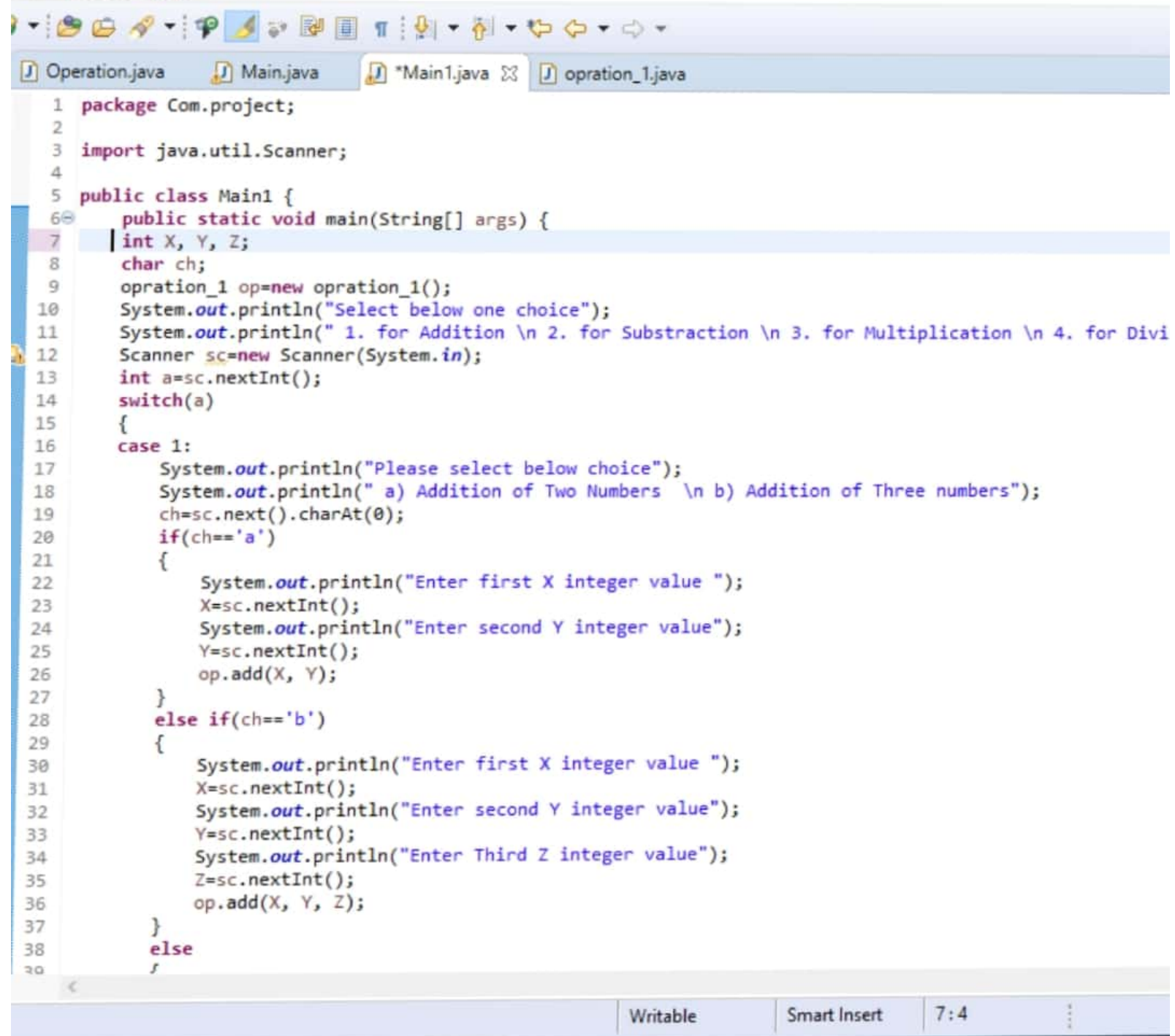
Writable

Smart Insert

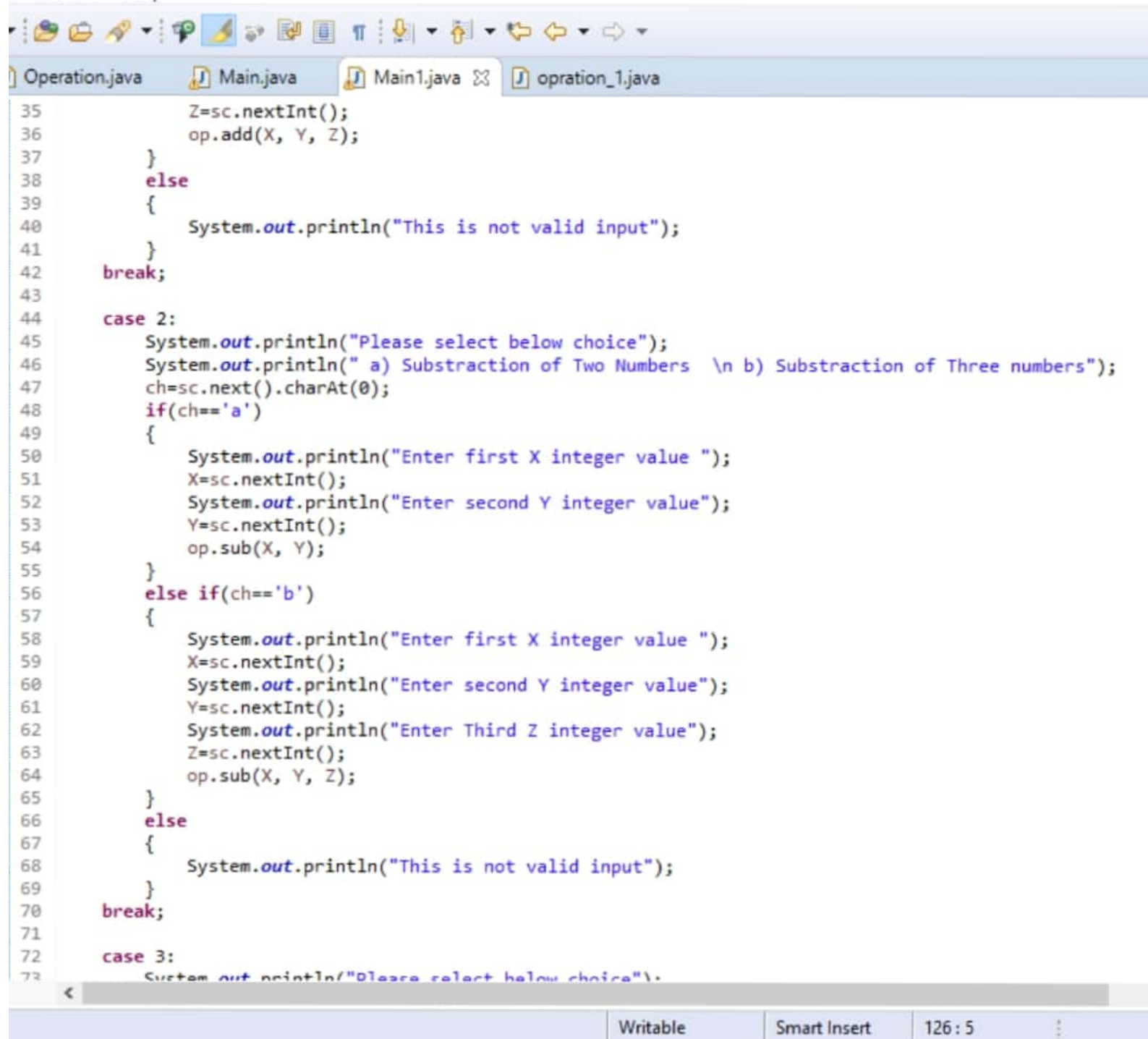
17



```
25 public void sub(int X, int Y, int Z)
26 {
27     System.out.println("Sub of Three Numbers");
28     int C=X-Y-Z;
29     System.out.println("The Substraction of " +X + " - "+Y+ " - "+Z+" = " +C);
30 }
31
32
33 public void Mul(int X, int Y)
34 {
35     System.out.println("Mul of Two Numbers");
36     int C=X*Y;
37     System.out.println("The Multiplication of " +X + " * "+Y + " = " +C);
38 }
39 public void Mul(int X, int Y, int Z)
40 {
41     System.out.println("Mul of Three Numbers");
42     int C=X*Y*Z;
43     System.out.println("The Multiplication of " +X + " * "+Y + " * "+Z+" = " +
44
45
46
47 public void Div(int X, int Y)
48 {
49     System.out.println("Div of Two Numbers");
50     int C=X/Y;
51     System.out.println("The Division of " +X + " / "+Y + " = " +C);
52 }
53 public void Div(int X, int Y, int Z)
54 {
55     System.out.println("Div of Three Numbers");
56     int C=X/Y/Z;
57     System.out.println("The Division of " +X + " / "+Y + " / "+Z+" = " +C);
58 }
59 }
60
61
62
63
```



```
1 package Com.project;
2
3 import java.util.Scanner;
4
5 public class Main1 {
6     public static void main(String[] args) {
7         int X, Y, Z;
8         char ch;
9         operation_1 op=new operation_1();
10        System.out.println("Select below one choice");
11        System.out.println(" 1. for Addition \n 2. for Substraction \n 3. for Multiplication \n 4. for Divi
12        Scanner sc=new Scanner(System.in);
13        int a=sc.nextInt();
14        switch(a)
15        {
16        case 1:
17            System.out.println("Please select below choice");
18            System.out.println(" a) Addition of Two Numbers \n b) Addition of Three numbers");
19            ch=sc.next().charAt(0);
20            if(ch=='a')
21            {
22                System.out.println("Enter first X integer value ");
23                X=sc.nextInt();
24                System.out.println("Enter second Y integer value");
25                Y=sc.nextInt();
26                op.add(X, Y);
27            }
28            else if(ch=='b')
29            {
30                System.out.println("Enter first X integer value ");
31                X=sc.nextInt();
32                System.out.println("Enter second Y integer value");
33                Y=sc.nextInt();
34                System.out.println("Enter Third Z integer value");
35                Z=sc.nextInt();
36                op.add(X, Y, Z);
37            }
38        else
39        }
```

```
35         Z=sc.nextInt();
36         op.add(X, Y, Z);
37     }
38     else
39     {
40         System.out.println("This is not valid input");
41     }
42     break;
43
44     case 2:
45         System.out.println("Please select below choice");
46         System.out.println(" a) Substraction of Two Numbers  \n b) Substraction of Three numbers");
47         ch=sc.next().charAt(0);
48         if(ch=='a')
49         {
50             System.out.println("Enter first X integer value ");
51             X=sc.nextInt();
52             System.out.println("Enter second Y integer value");
53             Y=sc.nextInt();
54             op.sub(X, Y);
55         }
56         else if(ch=='b')
57         {
58             System.out.println("Enter first X integer value ");
59             X=sc.nextInt();
60             System.out.println("Enter second Y integer value");
61             Y=sc.nextInt();
62             System.out.println("Enter Third Z integer value");
63             Z=sc.nextInt();
64             op.sub(X, Y, Z);
65         }
66     else
67     {
68         System.out.println("This is not valid input");
69     }
70     break;
71
72     case 3:
73         System.out.println("Please select below choice");
```

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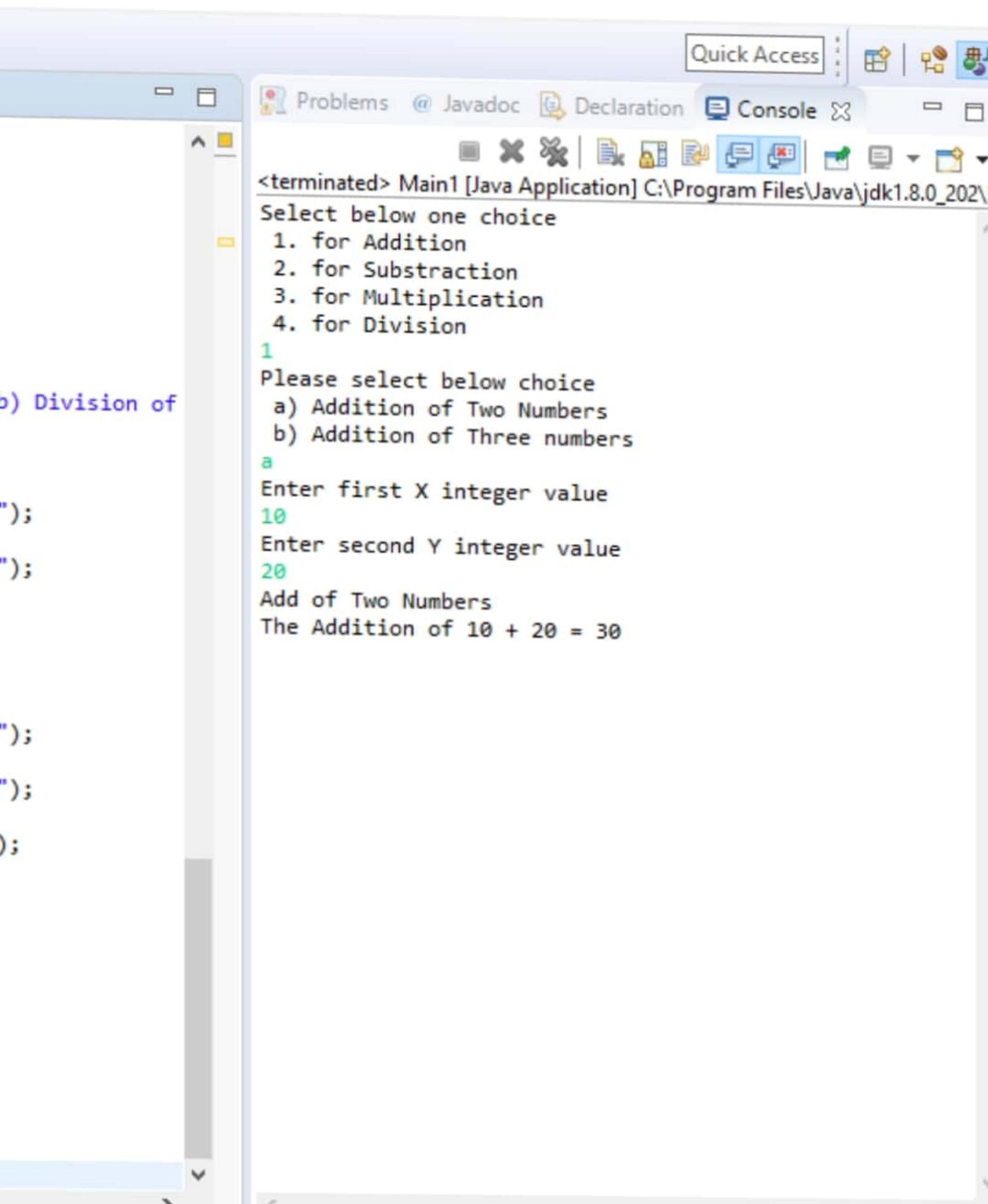


```
case 3:
    System.out.println("Please select below choice");
    System.out.println(" a) Multiplication of Two Numbers \n b) Multiplication of Three numbers");
    ch=sc.next().charAt(0);
    if(ch=='a')
    {
        System.out.println("Enter first X integer value ");
        X=sc.nextInt();
        System.out.println("Enter second Y integer value");
        Y=sc.nextInt();
        op.Mul(X, Y);
    }
    else if(ch=='b')
    {
        System.out.println("Enter first X integer value ");
        X=sc.nextInt();
        System.out.println("Enter second Y integer value");
        Y=sc.nextInt();
        System.out.println("Enter Third Z integer value");
        Z=sc.nextInt();
        op.Mul(X, Y, Z);
    }
    else
    {
        System.out.println("This is not valid input");
    }
    break;

case 4:
    System.out.println("Please select below choice");
    System.out.println(" a) Division of Two Numbers \n b) Division of Three numbers");
    ch=sc.next().charAt(0);
    if(ch=='a')
    {
        System.out.println("Enter first X integer value ");
        X=sc.nextInt();
        System.out.println("Enter second Y integer value");
        Y=sc.nextInt();
```

```
92      op.Mul(X, Y, Z);
93  }
94  else
95  {
96      System.out.println("This is not valid input");
97  }
98  break;
99
100 case 4:
101     System.out.println("Please select below choice");
102     System.out.println(" a) Division of Two Numbers \n b) Division of Three numbers");
103     ch=sc.next().charAt(0);
104     if(ch=='a')
105     {
106         System.out.println("Enter first X integer value ");
107         X=sc.nextInt();
108         System.out.println("Enter second Y integer value");
109         Y=sc.nextInt();
110         op.Div(X, Y);
111     }
112     else if(ch=='b')
113     {
114         System.out.println("Enter first X integer value ");
115         X=sc.nextInt();
116         System.out.println("Enter second Y integer value");
117         Y=sc.nextInt();
118         System.out.println("Enter Third Z integer value");
119         Z=sc.nextInt();
120         op.Div(X, Y, Z);
121     }
122     else
123     {
124         System.out.println("This is not valid input");
125     }
126 break;
```





```
<terminated> Main1 [Java Application] C:\Program Files\Java\jdk1.8.0_202\
Select below one choice
1. for Addition
2. for Substraction
3. for Multiplication
4. for Division
1
Please select below choice
a) Addition of Two Numbers
b) Addition of Three numbers
a
Enter first X integer value
10
Enter second Y integer value
20
Add of Two Numbers
The Addition of 10 + 20 = 30
```


n b) Division of Three

e ");

ue");

e ");

ue");

e");

Quick Access

Proble... @ Javadoc Declar... Console

<terminated> Main1 [Java Application] C:\Program Files\Java\

Select below one choice

1. for Addition
2. for Substraction
3. for Multiplication
4. for Division

2

Please select below choice

- a) Substraction of Two Numbers
- b) Substraction of Three numbers

b

Enter first X integer value

20

Enter second Y integer value

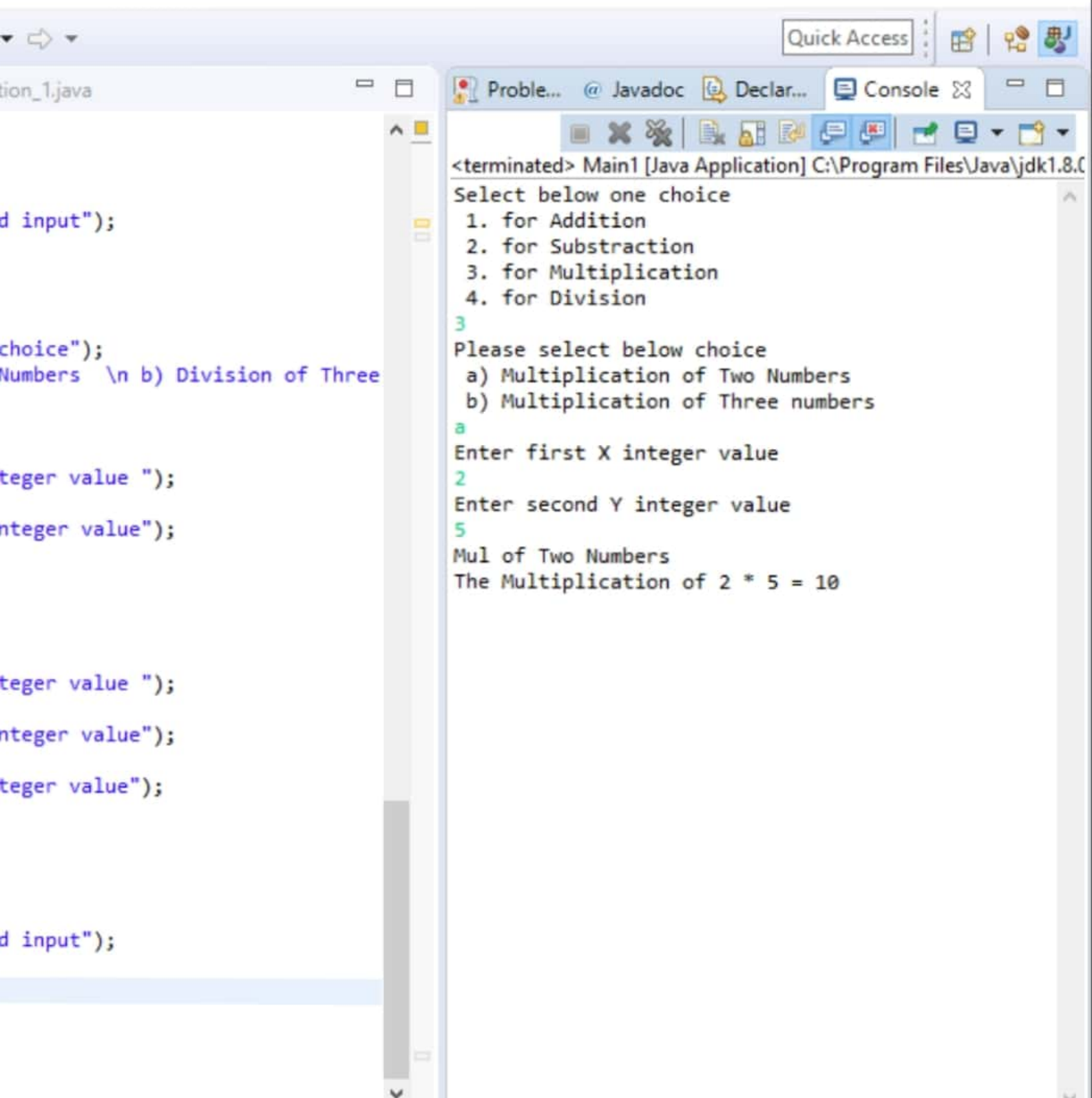
10

Enter Third Z integer value

5

Sub of Three Numbers

The Substraction of $20 - 10 - 5 = 5$



The screenshot shows an IDE with a Java application window titled "Main1 [Java Application] C:\Program Files\Java\jdk1.8.0_101\bin\java.exe". The application is running and displaying a menu for arithmetic operations. The console window shows the following output:

```
<terminated> Main1 [Java Application] C:\Program Files\Java\jdk1.8.0_101\bin\java.exe
Select below one choice
1. for Addition
2. for Substraction
3. for Multiplication
4. for Division
3
Please select below choice
a) Multiplication of Two Numbers
b) Multiplication of Three numbers
a
Enter first X integer value
2
Enter second Y integer value
5
Mul of Two Numbers
The Multiplication of 2 * 5 = 10
```

The Java code in the background is as follows:

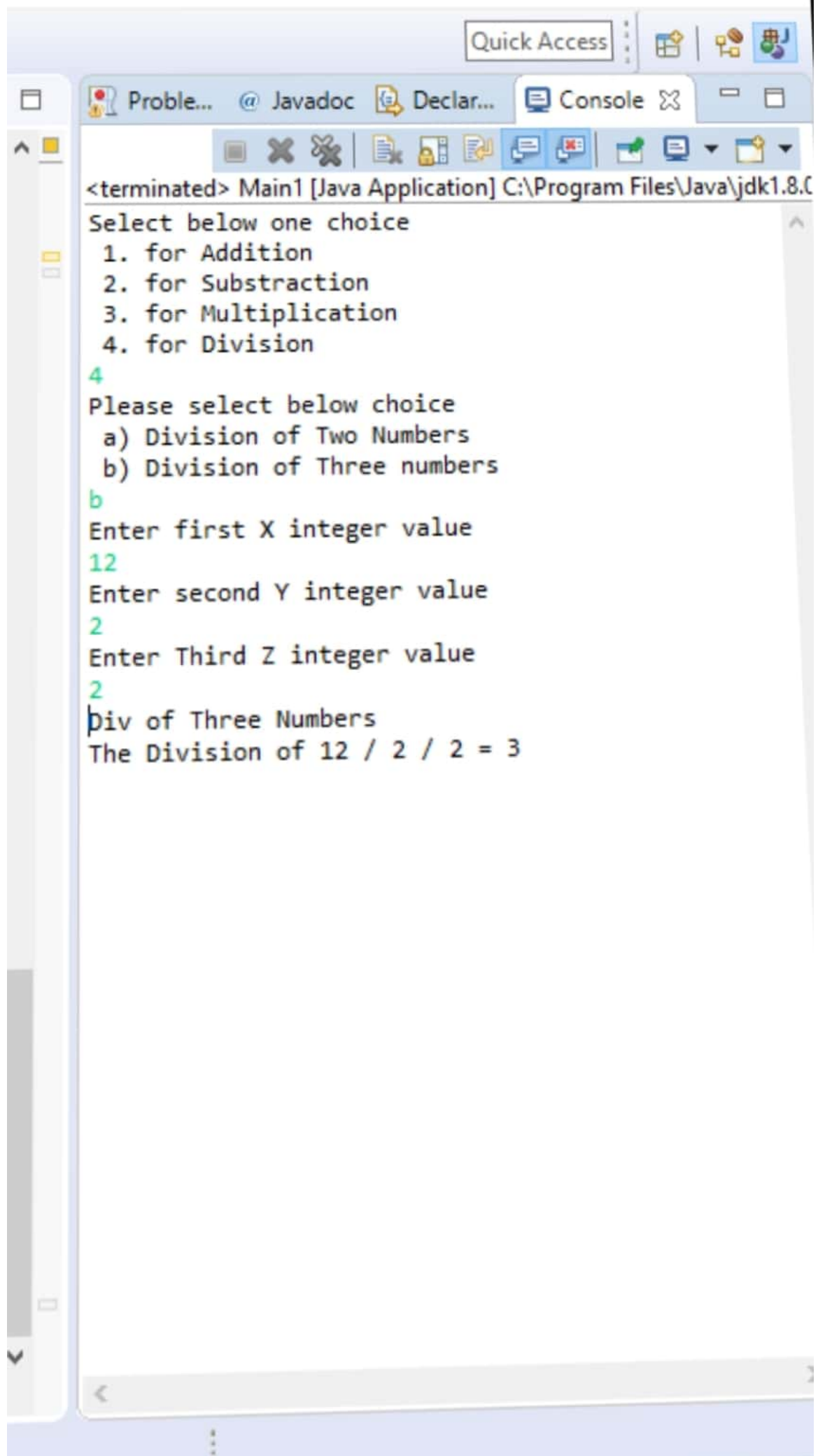
```
tion_1.java
d input");

choice");
Numbers \n b) Division of Three

integer value ");
integer value");

integer value ");
integer value");
integer value");

d input");
```



Quick Access

Problem... Javadoc Declar... Console

<terminated> Main1 [Java Application] C:\Program Files\Java\jdk1.8.0_101\bin\java.exe

```
Select below one choice
1. for Addition
2. for Substraction
3. for Multiplication
4. for Division
4
Please select below choice
a) Division of Two Numbers
b) Division of Three numbers
b
Enter first X integer value
12
Enter second Y integer value
2
Enter Third Z integer value
2
Div of Three Numbers
The Division of 12 / 2 / 2 = 3
```

