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eclipse-workspace - arithmeticCalculator/src/arithmeticCalculator/arithmeticCalc.java - Eclipse IDE
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Package Explorer X
> arithmeticCalculator [arithmeticCalculator n
> HelloWorld

arithmeticCalc.java X
75     System.out.println("-----");
76     System.out.print("Answer: ");
77
78     //used format to fix length after decimal value
79     System.out.format("%.3f\n",ans);
80     System.out.println("-----");
81 }
82
83
84 //Declared division class to perform divide
85 class division
86 {
87     public void divide()
88     {
89         //calling userInput method for getting inputs from user
90         userInput objU1 = new userInput();
91         double a = objU1.inA();
92         double b = objU1.inB();
93         double ans = a/b;
94
95         //output to the user
96         System.out.println("-----");
97         System.out.print("Answer: ");
98         if(a/b == 0)
99         {
100             //Explicit type casting the output
101             int value = (int)ans;
102             System.out.println(value);
103         }
104         else
105         {
106             System.out.format("%.3f\n",ans);
107         }
108         System.out.println("-----");
109     }
110 }
111
112 public class arithmeticCalc {

Problems Javadoc Declaration Outline X
inA() : double
addition
add() : void

Writable Smart Insert 22 : 6 : 475
33°C
Haze
2.4 Kbps
2.8 Kbps
22:00
18-07-2022
```

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Package Explorer X
> arithmeticCalculator [arithmeticCalculator n
> HelloWorld

arithmeticCalc.java X
112 public class arithmeticCalc {
113     public static void main(String[] args)
114     {
115         //Displaying all the operations to user to perform
116         System.out.println(" 1. Addition\n 2. Subtraction\n 3. Multiplication\n 4. Division\n ");
117         System.out.print("Please select an Operation: ");
118
119         // creates an object of Scanner class
120         @SuppressWarnings("resource")
121         Scanner sc = new Scanner(System.in);
122
123         //taking input from the user
124         int operation = sc.nextInt();
125
126         //used switch case to navigate to desired Class
127         switch(operation)
128         {
129             case 1:
130                 //created object of class addition
131                 addition objA = new addition();
132
133                 //calling the class
134                 objA.add();
135                 break;
136             case 2:
137                 //created object of class subtraction
138                 subtraction objS = new subtraction();
139
140                 //calling the class
141                 objS.subtract();
142                 break;
143             case 3:
144                 multiplication objM = new multiplication();
145                 objM.multiply();
146                 break;
147             case 4:
148                 division objD = new division();
149                 objD.divide();
150         }
151     }
152 }

Problems Javadoc Declaration Outline X
inA() : double
addition
add() : void

Writable Smart Insert 22 : 6 : 475
33°C
Haze
18.9 Kbps
95.7 Kbps
22:00
18-07-2022
```

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148         division objD = new division();
149         objD.divide();
150         break;
151     default:
152         System.out.println("Wrong input ");
153         break;
154     }
155     System.out.print("\n");
156     arithmeticCalc.main(null);
157 }
158
159 }

Problems Javadoc Declaration Outline X
inA() : double
addition
add() : void

Writable Smart Insert 22 : 6 : 475
33°C
Haze
0.0 Kbps
0.0 Kbps
22:00
18-07-2022
```