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Package Explorer

- dharshini
  - JRE System Library [JavaSE-15]
  - src
- dj
- Practice
- TEST
- TrafficSignalOptimization

Main.java   Main1.java   *ComputeMethods.java

```java
1  package Practice;
2  //Problem 1: Writing methods
3  import java.util.Scanner;
4  import java.util.Random;
5  public class ComputeMethods {
6      public static void main(String[] args) {
7          ComputeMethods cm = new ComputeMethods();
8          Scanner scanner = new Scanner(System.in);
9          System.out.print("Enter temperature in Fahrenheit: ");
10         double fahrenheit = scanner.nextDouble();
11         System.out.println("Temp in celsius is " + cm.fToC(fahrenheit));
12         System.out.print("Enter side length a: ");
13         int a = scanner.nextShort();
14         System.out.print("Enter side length b: ");
15         int b = scanner.nextShort();
16         System.out.println("Hypotenuse is " + cm.hypotenuse(a, b));
17         System.out.println("The sum of the dice values is " + cm.roll());
18     }public double fToC(double f) {
19         return 5 / 9.0 * (f - 32);
20     }public double hypotenuse(int a, int b) {
21         return Math.sqrt(Math.pow(a,2)+Math.pow(b,2));
22     }public int roll() {
23         Random r= new Random();
24         int c= r.nextInt(6)+1;
25         int b= r.nextInt(6)+1;
26         System.out.println("1st dice:"+c+"\n2nd dice:"+b);
27         int a=c+b;
28         return a;
29     }
30 }
```

Task List

Find   All Ac

Outline

Practice
ComputeMethod
main(String[]
fToC(double)
hypotenuse(in
roll() : int

Problems   Javadoc   Declaration   Console

<terminated> ComputeMethods [Java Application] C:\Users\rjana\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (2 Aug 2024, 6:52:59 pm – 6:53:08 pm) [pid: 9428]

```
Enter temperature in Fahrenheit: 100
Temp in celsius is 37.77777777777778
Enter side length a: 12
Enter side length b: 5
Hypotenuse is 13.0
1st dice:1
2nd dice:6
The sum of the dice values is 7
```

Writable   Smart Insert   22 : 6 : 975

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Package Explorer

- dharshini
  - JRE System Library [JavaSE-15]
  - src
- dj
- Practice
  - JRE System Library [JavaSE-15]
  - src
    - Practice
      - ColorRange.java
      - ComputeMethods.java
      - DisplayMultiples.java
      - LoopShape.java
      - ProcessName.java
      - TrafficLightCheaker.java
      - TrafficLightChecker.java
      - ValidatePin.java
    - module-info.java
- TEST
- TrafficSignalOptimization

Main.java   Main1.java   ProcessName.java

```java
1 package Practice;
2 //Problem 2: Process a name
3 import java.util.Scanner;
4
5 public class ProcessName {
6     public static void main(String[] args) {
7         Scanner scanner = new Scanner(System.in);
8
9         System.out.print("Type your name: ");
10        String fullName = scanner.nextLine();
11
12        String[] names = fullName.split(" ");
13        String lastName = names[names.length - 1];
14        String firstNameInitial = names[0].substring(0, 1) + ".";
15
16        System.out.println("Your name is: " + lastName + ", " + firstNameInitial);
17
18        scanner.close();
19    }
20 }
21
```

Task List

Find   All   Ac

Outline

- Practice
  - ProcessName
    - main(String[])

Problems   Javadoc   Declaration   Console

<terminated> ProcessName [Java Application] C:\Users\rjana\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (2 Aug 2024, 6:55:24 pm – 6:55:38 pm) [pid: 12056]

```
Type your name: Harry Potter
Your name is: Potter, H.
```

32°C
Haze

Search

ENG
IN

18:55
02-08-2024