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03/02/2022

Java Assignment: 12

## Classpath for Package

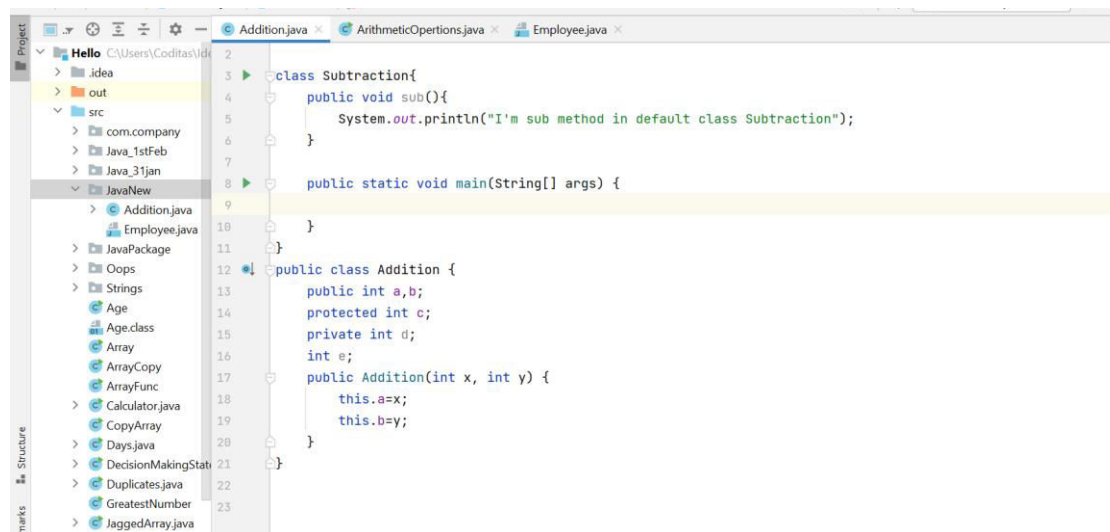
import <package\_name>.<class\_name>;

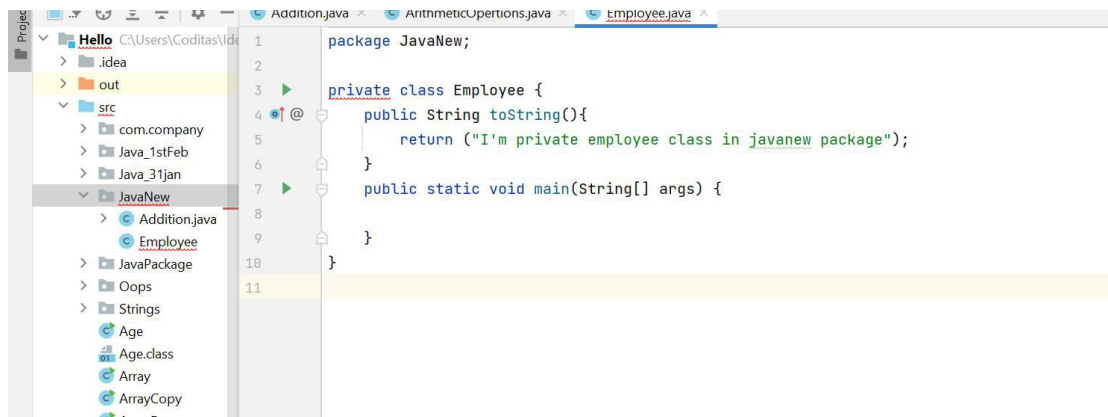
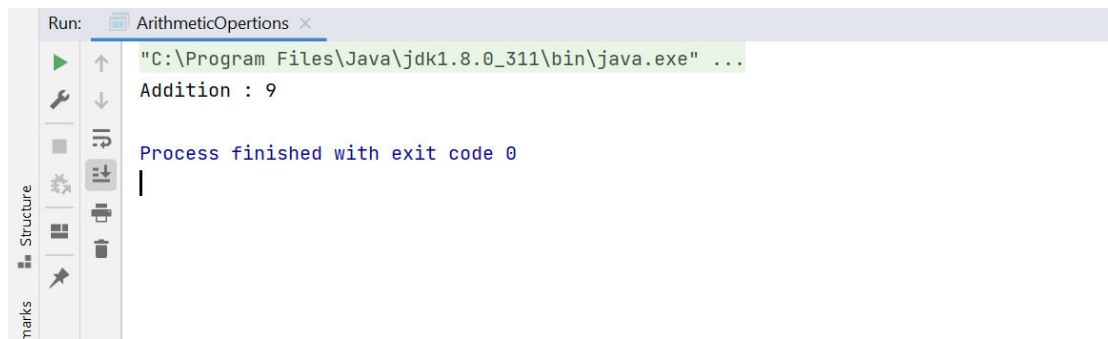
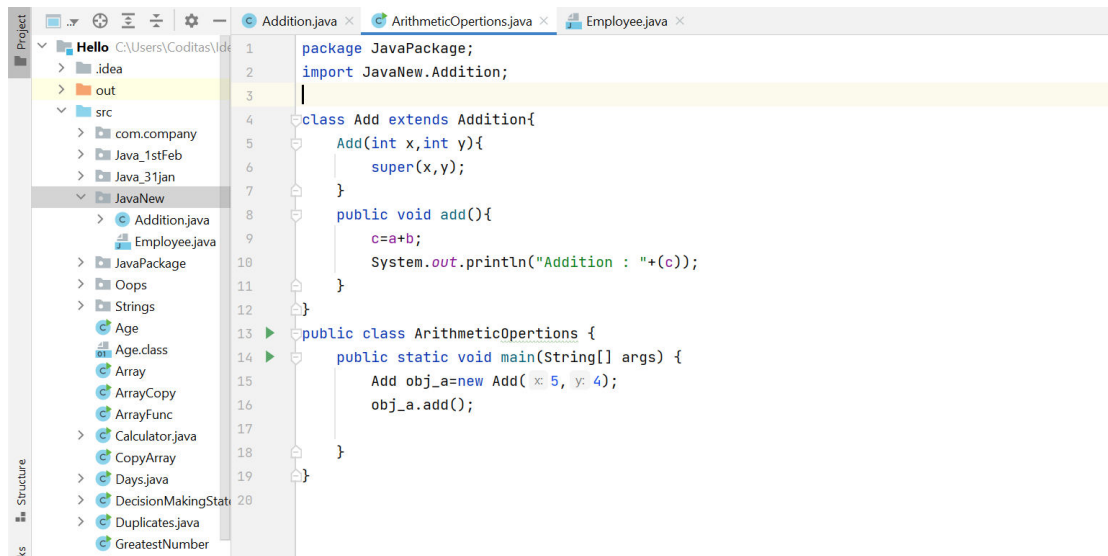
## Console Command for executing file in package

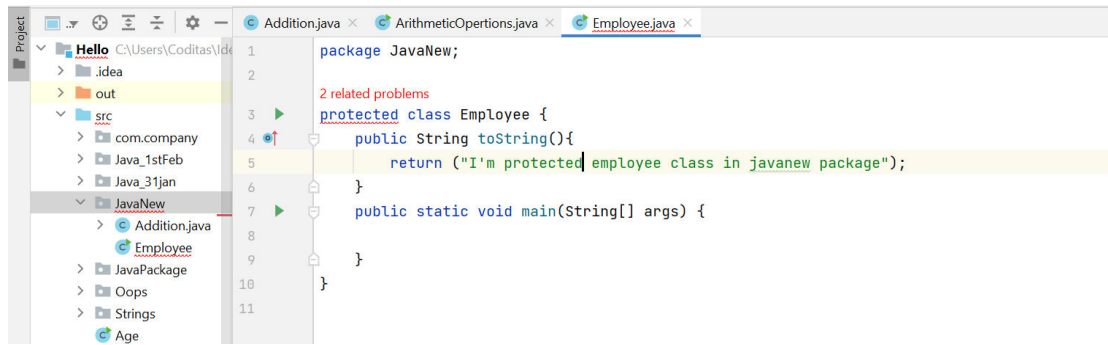
C:\Users\Coditas\Documents>java -cp .. <package\_name>.<class\_name>

Addition and Subtractions in JavaNew Package

ArithmeticOperations in Javapackage;







The screenshot shows an IDE with a project named 'Hello' located at 'C:\Users\Coditas\Idea'. The project structure on the left includes folders like 'out', 'src', 'com.company', 'Java\_1stFeb', 'Java\_31jan', and a package named 'JavaNew'. Inside 'JavaNew', there are files 'Addition.java' and 'Employee.java'. The 'Employee.java' file is open in the editor, showing the following code:

```
1 package JavaNew;
2
3 2 related problems
4 protected class Employee {
5     public String toString(){
6         return ("I'm protected employee class in javanew package");
7     }
8     public static void main(String[] args) {
9     }
10 }
11
```



The screenshot shows the same IDE with the 'ArithmeticOperations.java' file open in the editor. The project structure on the left is more detailed, showing various files like 'Age', 'Age.class', 'Array', 'ArrayCopy', 'ArrayFunc', 'Calculator.java', 'CopyArray', 'Days.java', 'DecisionMakingStatu', and 'Duplicates.java'. The 'ArithmeticOperations.java' file contains the following code:

```
1 package JavaPackage;
2 import JavaNew.Addition;
3 import JavaNew.Employee;
4 class Add extends Addition{
5     Add(int x,int y){
6         super(x,y);
7     }
8     public void add(){
9         c=a+b;
10        System.out.println("Addition : "+(c));
11    }
12 }
13 public class ArithmeticOperations {
14     public static void main(String[] args) {
15         Add obj_a=new Add( 5, 4);
16         obj_a.add();
17         Employee e=new Employee();
18         System.out.println(e);
19     }
20 }
21
```

Private and Protected cannot be used in other packages

Public is available in whole java world.

default is available for the classes, methods in same package.

