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Lab 1 — Java Types

COMP 155 : Object-Oriented Programming

(100 points)

Brief Description

The goal of this lab is to assess your knowledge and skills on the concepts of data types as facilitated by Java and to give you adequate support during the laboratory session. Your task is to fill the stubs given with Java program and should be based on the requirements you are given below.

Requirements

80 points Math Class

- float add(float first, float second)
  - sums the values of arguments 'first' and 'second'
  - returns the result
- float add(float[] arr)
  - sums the values of array 'arr'
  - returns the result

- float multiply(float first, float second)
  - multiplies the values of arguments 'first' and 'second'
  - returns the result
- float multiply(float[] arr)
  - multiplies the values of array 'arr'
  - returns the result

10 points MathTest Class

- void print(float result)
  - displays the result passed into it in a user-friendly manner
  - returns nothing
- void main(String[] args)
  - implementation has been provided in one of the given stub files

```
C:\Users\adesino\Documents\UFV\COMP 155\Labs>javac *.java

C:\Users\adesino\Documents\UFV\COMP 155\Labs>java MathTest
Result : 35.6
Result : 265.0
Result : 20.0
Result : 720.0
Result : 20.0
Result : 720.0
```

Figure 1: Output for some runs

10 points Document your program extensively and indent your work nicely.

***CHECK OFF - Ensure you show your working code to either the lab monitor or instructor before the end of lab session**.