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| ../ama%20university.png../AMAOEd.png | Course Code | Type Course Code Here |
| Description | Computer Programming 2 |
| College / Department:  **Online Education** | Laboratory  Exercise No. | 006 |
| **LABORATORY EXERCISE** | | Page 1 of 1 |

**Instructions:**

• Upload your solution to the link provided on the course page.

• You may submit the java file, or the rar or zip file.

• For the java file, your filename must be in this format: Lab6\_<lastname\_firstname>.java

Example: **Lab6\_Blanco\_Maria.java**

• For multiple java files, save them into one folder. The folder name should be in this

format:

Lab6\_<lastname\_firstname>, Example: **Lab6\_Blanco\_Maria**

Compress the folder into .rar or .zip format before uploading.

• For projects created using NetBeans, the project name should be in this format:

Lab6\_<lastname\_firstname>, Example: **Lab6\_Blanco\_Maria**

Compress the project folder into .rar or .zip format before uploading.

• **DO NOT SUBMIT THE WORD FILE. Failure to follow the instructions will mean**

**a deduction from your score.**

1. Overloading Methods

Write a program that calls overloading methods named average. The average methods return the computed average value of the parameters. The average methods can be called with 3,4,5 or 6 int arguments.

1. Methods

Write a circle calculator program that computes the area, circumference and diameter of a circle. The program will accept input number (radius) and that number will be used to get the area, circumference and diameter of a circle. This time you are going to use separate methods for each computation. For example, to get the value of area you need to write method area that has radius parameter and returns double value.

Use this formula to find the area, circumference and diameter of a circle:

1. Π = 3.14
2. Area = πr2
3. Diameter = 2r
4. Circumference = 2πr