*Assignment 7 - 8*

*Instructor: Faisal Khan*

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| *Name* | *Student ID* | *Group#* |
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1-Use Documentation Comments where needed.

2-In your project src folder add this word document with all your group members names, having the screen shots of your output with source code after each question.

2-Right Click on your Project Folder in Eclipse, Copy Option is available. Create a copy of the Project and upload the zipped folder using Moodle.

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| **Assignment 7** |  |

Write a class named Employee that has the following fields:

• name. The name field references a String object that holds employee’s name.

• idNumber. The idNumber is an int variable that holds the employee’s ID number.

• department. The department field references a String object that holds the name of the department where the employee works.

• position. The position field references a String object that holds the employee’s job title. **(5)**

The class should have the following constructors:

• A constructor that accepts the following values as arguments and assigns them to the appropriate fields: employee’s name, employee’s ID number, department, and position. **(1)**

• A constructor that accepts the following values as arguments and assigns them to the appropriate fields: employee’s name and ID number. The department and position fields should be assigned an empty string (""). **(1)**

• A no-arg constructor that assigns empty strings ("") to the name, department, and position fields, and 0 to the idNumber field. **(1)**

Write appropriate mutator methods that store values in these fields and accessor methods that return the values in these fields. Once you have written the class, write a separate program that creates three Employee objects to hold the following data: **(2)**

Name ID Number Department Position

Susan Meyers 47899 Accounting Vice President Mark Jones 39119 IT Programmer

Joy Rogers 81774 Manufacturing Engineer

The program should store this data in the three objects and then display the data for each employee on the screen.

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| **Assignment 8** |  |

Write statements that perform the following one-dimensional-array operations (To test the items a-e below, create an integer array called numberswith 10 elements. Array should be first pre-initialized with random numbers from 1-100) or You can create a user defined Array taking input from user

For each array element.

a) Crete a method that will return sum of all the elements of an integer array. **(2)**

b) Crete a method that will return the highest number in the array.

**(2)**

c)Crete a method that will return the lowest number in array.**(2)**

d) Display all the values of an array in column format. **(2)**

e) Create a method that will reverse the array or create a method to get the Average of the array. **(2)**