**ICS 108 – Object-Oriented Programming**

**Lab # 10 – Polymorphism**

**Objectives:**

In this lab, the following topic will be covered:

1. Polymorphism

**Task**

Design a class named **Employee** and its two subclasses **FullTimeEmployee** and **PartTimeEmployee**.

An **Employee** has ID and name.

A **FullTimeEmployee** has salary.

A **PartTimeEmployee** has hours.

Include in each class a constructor that has all the data fields and override the toString method to return the data fields.

Write a test program that creates an array of type **Employee**. Fill the array with objects from the subclasses only. Finally, print the **PartTimeEmployees** followed by the average hours, then print the **FullTimeEmployees** followed by the average salary.