**[CO1, CO2, CO3, CO4, CO5, CO6] (100)**

**INSTRUCTION:**

**Design a program that has the following:**

**6 Classes: 2 Parent Class, 4 Child Classes.**

**Parent Class: Warehouse Class (1 and 2) with the following properties:**

**Basic Information:**

**Name, City, Province, Building Number**

**Basic Methods:**

**Get Name, Get Full Location [“#Building\_Number – City, Province”]-Format**

**Child Class:**

**Employee**

**Basic Information:**

**First Name, Last Name, Employee ID Number, Daily Rate (8-Hour Rate)**

**Basic Methods:**

**Get Full Name, Get Hourly Rate, Get Salary**

**Child Class:**

**Item**

**Basic Information:**

**Brand, Item Name, Serial Number, Price**

**Basic Methods:**

**Get Full Name [Brand – Name]**

**Create a program that can store 2 Warehouses each with up to 4 different employees and 4 Items in an array.**

**There are 2 parts in the program:**

**A Simple Login using the username "MANAGER" and the 6 - Digit PIN (personal identification number) "123456." Input must be limited to 3 attempts after such will result to the program either entering the main interface (PIN was successfully placed) or close the program with a message box indicating that the user exceeded the number of allowable attempts.**

**The second part consists of an interface that allows input of the mentioned fields. If the warehouse already has the maximum limited number of inputs, the program must forbid the user from inputting more. All fields should be limited to their intended data type (e.g. Double for Salary and Daily Rate), In case of a mismatch in data an error message should show indicating the error.**

**Use at least 4 of the following with at least 2 instances.**

**Label**

**TextBox**

**Button**

**Radio Button**

**ListBox**

**ComboBox**