

CSE 203: Assignment #1

Due Date: 20 September, 2023 (At the beginning of class)

Instructions:

- Complete all 5 problems below.
- The code should be **handwritten**.
- Should submit the **hard copy at the beginning of the class** on 20th September.
- Copied assignment will be graded 0.
- Don't copy the code from the lecture slides.

Problems:

1. Define an **Abstract** class with at least one abstract method. Make sure the class has the following.
 - a. Has at least 2 instance variables.
 - b. Has a parameterized constructor.
 - c. Has at least one instance/complete method.
 - d. Has at least one abstract method.
2. Define an **interface** with at least two abstract methods. Make sure the methods satisfy the following conditions.
 - a. At least one method should have a non-void return type.
 - b. At least one method should have minimum one parameter.
3. Create a **concrete subclass** of the abstract class that you created at Q#1.
4. Create a **concrete class** implementing the interface that you created at Q#2.
5. Create a **concrete class** that should inherit the abstract class you created at Q#1 and also implement the interface you created at Q#2.