

## CSCI212 Lab — Quiz #1 (practice)

**Full Name:**

**EMPLID:**

**Date:**

**Score:**

1. Consider the following Java class stored inside the package `Quiz1`.

```
// Main.java
package Quiz1;
```

```
public class Main{
```

- (a) Complete the `main` method (the Java boilerplate) so that the program prints the following message to the console:

```
                Welcome to CSCI212
            // write your code here
```

```
}
```

- (b) Briefly explain the purpose of the `main` method in a Java program. Your answer should be no more than two sentences.

2. A Java file named `Student.java` is shown below.

```
package Quiz1;

public class Student{
    private String name;
    private String emplid;
    private double gpa;

    public Student(String name, String emplid, double gpa){
        this.name = name;
        this.emplid = emplid;
        this.gpa = gpa;
    }

    // accessor methods go below
```

- (a) Write a getter method that returns the student's name.

- (b) Write a getter method that returns the student's GPA.

```
}
```

3. Suppose an array of **Student** objects has already been created inside the **Main** class.

```
public class Main{  
    // assume other required code already exists
```

Write a **static** method that satisfies the following conditions:

- The method is named **displayStudents**
- It takes two parameters:
  - an array of **Student** objects
  - an integer representing the number of students
- The method prints each student's name on a separate line

```
}
```

4. Answer the following questions related to Java compilation.
- (a) Write the terminal command used to compile a Java file named `Main.java` located inside the `Quiz1` package.
  
  - (b) After successful compilation, what file is generated by the Java compiler? Provide the exact filename.
  
  - (c) Write the terminal command used to execute the compiled program.