

Bangladesh University of Engineering and Technology
Department of Computer Science and Engineering
CSE308: Software Engineering Sessional
July 2023 Semester

Online 1 (Design Patterns)

Time: **30 minutes**

Problem [10 marks]

We have a codebase written in Java where there are two classes (**ConcreteIdUserA** and **ConcreteIdUserB**) who need **global unique** values (id) for their work. For generating global unique ids we have a concrete class **ConcreteGenerator**. Please refer to the zip file.

Please understand the code of **Driver.java**.

```
javac Driver.java; java Driver
```

Now, your course teacher has come to inspect the codebase and thinks that, **previous_main()** function should not carry the responsibility of instantiating the **ConcreteIdGenerator** object. Rather he suggests using the **new_main()** function. Make necessary changes to adapt to the change.

Please note,

1. In your final version you will comment out **previous_main()** and uncomment **new_main()** in the main function. **No other change in the Driver.java File.**
2. You may change any other file.

Submission Guidelines

- Create a folder that is named after your 7-digit student ID.
- Place all the essential files (with .java extension) inside the folder, and then zip that folder.
- Submit the zipped file in Moodle.