

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]

You are given an implementation of **integerParser** class where there is a function **calculateSum** which takes a file as input and shows the sum of the integers written in decimal format separated by spaces in the file. See the attached zip file.

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

Now your company has a new requirement where a file contains ASCII characters separated by spaces and you have to report the summation of the ASCII values of the characters.

Design and code an **adapter** which re-uses the previous implementations of **calculateSum**. **You can't change anything in the parser package.**

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.