

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

July 2023 CSE 316 Offline Assignment on
Conditional Statements using Assembly Language Programming

Problem 1: Prompt the user to input a single printable ASCII character. Categorize the input character into the following classifications:

1. Uppercase letter
2. Lowercase letter
3. Number
4. Others

Provided below are examples of sample input and the corresponding output:

Sample Input	Sample Output
A	Uppercase letter
p	Lowercase letter
7	Number
@	Not an alphanumeric value

Problem 2: In this exercise, the user is required to input three lowercase letters. The program should then determine and output the second-highest letter based on its ASCII value. The sample input and output are illustrated below:

Sample Input	Sample Output
e g f	f
p m p	m
m p m	m
w w w	All letters are equal

Academic Integrity Statement: While collaborative discussions and seeking assistance from teachers and peers are encouraged, copying code from any external source is strictly prohibited. Any instance of code plagiarism, if detected, will result in receiving a full 100% negative mark.

Submission Deadline: 11 PM, December 2, 2023