NATIONAL UNIVERSITY
of Computer & Emerging Sciences

Student Name:

Roll No_____

Examination: Quiz 3
Total Marks: 10 : Weightage 2.5
Instructor Name: Sir Samin Ahmed
Date

Program: BS(CS)

Semester: Fall-2024
Time Allowed: 15 Mins
Course: Programming Fundamentals

Instructions:

Understanding a question is also a part of the quiz.

No discussions allowed

Solve the Quiz on Question paper (front and back)

Hint: Assignment 3 Qno3

Write a C++ program to create a pattern that draw a diamond. The program should ask the user to enter an odd number, which will be the height of the diamond (for example, 5, 7, or 9).However, if the user enters an even number or a number less than 3, display an error message and prompt them to try again until they provide a valid input.

Output:

```
Enter an odd number (>= 3) for the height of the diamond: 7
   *
  *#*
 *#*#*
*#*#*#*
 *#*#*
  *#*
   *
```