

Object Oriented Programming

Lab Task 02

Note:

- Copied task will be awarded zero marks.
- Note that these lab task marks could be graded through a viva inlab.
- Submit the .cpp file for each task in google classroom and rename it with your roll no and name.
For example: Ali_Ahmed_22p9023_task1.cpp.
- Lab Tasks will be graded in Lab.

1. Write a C++ program that reverses the order of words in a string without using any built-in string reversal functions. The program should follow these guidelines:
 - Ask the user to enter a sentence.
 - Reverse each word in the sentence.
 - Display the modified sentence
2. Write a C++ program for a text-based adventure game where the player explores a space ship. In this space-themed adventure, you can introduce planets, alien encounters, cosmic anomalies, and futuristic technology as part of the storyline. Players can make decisions to explore different regions of the galaxy, encounter challenges in space, and make choices that affect the outcome of their journey. Use conditional statements and loops to create an interactive experience. Consider incorporating elements like mysterious creatures, magical items, and unexpected twists.
3. Write a simple program that prints a rectangle pattern of asterisks using loops. E.g:

```
*****
* *
* *
* *
* *
*****
```