

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 in lab.
- 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 program using nested if else that asks a user whether he/she wants burger. If the user enters Y or y. Then the program should further ask whether the user wants an add-on of fries and cold drink for 200 Rs only. Calculate and display the total price accordingly. Price of Burger is 500. Note: Validate your input. If the user enters anything other than Y, y, n or N. The program should display the message "Invalid Input".

```
Do you want a burger? Y/N
y
Burger added
Do you want to add fries and drink? just for 200.RS Y/N
n
your choice! Thank you.
Your Total Bill is: 300
```

```
Do you want a burger? Y/N
y
Burger added
Do you want to add fries and drink? just for 200.RS Y/N
y
Thank you.
Your Total Bill is: 500
```

```
PS E:\New folder> cd C:\New folder
Do you want a burger? Y/N
n
No Problem. See you next time
PS E:\New folder>
```

2. Write a program where the player explores a haunted mansion and must choose their path wisely to reach the end. Also customize the game according your imagination and give it a unique storyline.

3. Write a simple program that print rectangle pattern of asterisks. E.g:

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

4. Write a program that takes an integer from user and print a half diamond pattern using nested loops. Here the no from the user is the no of row after which the pattern will start to invert.

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