**Introduction to Computing**

**Section: A20**

**Assignment No. 2**

Registration No. : L1F24BSCS0934

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Date:27-11-2024



**Question:1**

A scenario is given to you. **Apply** the fundamental concepts of programming language C++ and solve the scenario.

**Scenario:**

A school cafeteria wants to automate its food ordering system to improve efficiency and ensure better service for students.

Solution:  
 Program:-

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//L1F24BSCS0934

#include<iostream>

using namespace std;

int main()

{

string student;

char account;

cout << "Enter Student name:" << endl;

cin >> student;

cout << "Do you have a account? (y/n)" << endl;

cin >> account;

if (account == 'n' && account != 'y')

{

cout << "Please register for a cafe account" << endl;

return 0;

}

int meal\_type;

cout << "Please select meal type.(e.g 1,2,3)" << endl;

cout << "1: Breakfast" << endl;

cout << "2: Lunch" << endl;

cout << "3: Snacks" << endl;

cin >> meal\_type;

if (meal\_type == 1)

{

cout << "Please select Breakfast" << endl;

cout << "1: Omelette" << endl;

cout << "2: pancakes" << endl;

cin >> meal\_type;

}

else if (meal\_type == 2)

{

cout << "Please select Lunch" << endl;

cout << "1: Pasta" << endl;

cout << "2: Chicken sandwich" << endl;

cin >> meal\_type;

}

else if (meal\_type == 3)

{

cout << "Please select Sancks" << endl;

cout << "1: Chips" << endl;

cout << "2: FruitCup" << endl;

cin >> meal\_type;

}

else

cout << "Please Select valid Choice" << endl;

cout << "Order confirmation" << endl;

cout << "Student name" << student << endl;

cout << "meal\_type: " << (meal\_type == 1 ? "Breakfast" : meal\_type == 2 ? "Lunch" : "Snacks:") << endl;

cout << "Item :" << meal\_type << endl;

}

