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Reg# BSE203003

Subject: OOP LAB

Lab #3

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Practice Task 1:

```cpp
#include<iostream>
#include<string>
using namespace std;
class PopSalon {
        string Flavoer;
        string Size;
        string Additional_Topping;
        string Wrapper;
        int price;
        string name;
        double mobile_no;
        string email;
        string quality;
public:
        void setFlavour()
        {
                int option;
                cout << "\t\t\t\t\WELCOME TO POPSALON";
                cout << "\nNOTE::PLEASE SELECT OPTIONS BY PRESSING THIER SERIAL NUMBER";
                cout << endl;
                cout << "\nPlease select flavour";
                cout << "\n1: Chocolate";
                cout << "\n2: English toffee";
                cout << "\n3: Salted Caramel";
                cout << "\n4: Caramel";
                cout << "\n5: Jalapeno";
                cout << "\n6: Cheese";
                cout << "\n7: Spiced Cheese";
                cout << "\n8: Plain Sated";
                cout << "\n9: Buttered,";
                cout << "\n10: Salt and Pepper";
                cout << "\n11: Garlic";
                cin >> option;
                switch (option)
                {
                case 1:
                        Flavoer = "Choclate";
                        break;
                case 2:
                        Flavoer = "English toffee";
                        break;
                case 3:
                        Flavoer = "Salted Caramel";
                        break;
                case 4:
                        Flavoer = "Caramel";
                        break;
                case 5:
                        Flavoer = "Jalapeno";
                        break;
                case 6:
                        Flavoer = "Cheese";
                        break;
                case 7:
                        Flavoer = "Spiced Cheese";
                        break;
                case 8:
                        Flavoer = "Plain Sated";
                        break;
                case 9:
                        Flavoer = "Buttered";
```

```cpp
                break;
        case 10:
                Flavoer = "Salt and Pepper";
                break;
        case 11:
                Flavoer = "Garlic";
                break;
        default:
                cout << "\n Wrong Input";
        }

}
void setSize()
{
        int choice;
        cout << "\nPlease select size of the pack";
        cout << "\n1:Large";
        cout << "\n2:Medium";
        cout << "\n3:Small";
        cout << "\n4:Large Size Tin";
        cin >> choice;
        switch (choice)
        {
        case 1:
                Size = "Large";
                price = 500;
                break;
        case 2:
                Size = "Medium";
                price = 250;
                break;
        case 3:
                Size = "Small";
                price = 100;
                break;
        case 4:
                Size = "Large Size Tin";
                price = 750;
                        break;
        default:
                cout << "\n Wrong Input";
        }
}

void SetWrapper()
{
        int choice;
        cout << "\n Do you want to purchase Gift Wrapper? ";
        cout<<"\n1:YES";
        cout << "\n2:NO!!!";
        cin >> choice;
        switch (choice)
        {
        case 1:
                Wrapper = "YES";
                price = price + 50;
                break;
        case 2:
                Wrapper = "NO!!!";
                break;
        default:
                cout << "\n Wrong Input";
```

```cpp
		}
}
void setTopping()
{
	int option;
	cout << "\nWhich type of Additional Toppings you want";
	cout << "\n1:Chocolate Toppings";
	cout << "\n2:Caramel Toppings";
	cout << "\n3:Melted Cheese";
	cout << "\n4:NO! I DON'T WANT TOPPINGS";
	cin >> option;
	switch (option)
	{
	case 1:
		Additional_Topping = "Chocolate";
		price = price + 50;
		break;
	case 2:
		Additional_Topping = "Caramel";
		price = price + 30;
		break;
	case 3:
		Additional_Topping = "Cheese";
		price = price + 80;
	case 4:
		Additional_Topping = "NO!!!";
		break;
	default:
		cout << "\n Wrong Input";

	}
}
void set_CustomersDetails()
{
	int option;
	cout << "\nPlease Enter your Name:";
	cin >> name;
	cout << "\nPlease enter your mobile number";
	cin >> mobile_no;
	cout << "\n Please enter your email addres";
	cin >> email;
	cout << endl;
	cout << endl;
	cout << "\nHow will you rank serivice quality";
	cout << "\n1:GOOD";
	cout << "\n2:Nuetral";
	cout << "\n3:BAD";
	cin >> option;
	switch (option)
	{
	case 1:
		quality = "GOOD";
		break;
	case 2:
		quality = "Nuetral";
		break;
	case 3:
		quality = "BAD!!";
		break;
	default:
		cout << "\n Wrong Input";
	}
```

```cpp
        }
        void display()
        {
                cout << "\n\t\t\t\t\t---------------------------------";
                cout << "\n\t\t\t\t\tFlavour ::" << Flavoer;
                cout << "\n\t\t\t\t\tSize ::" << Size;
                cout << "\n\t\t\t\t\tGift Wrapper ::" << Wrapper;
                cout << "\n\t\t\t\t\tAdditional Topping ::" << Additional_Topping;
                cout << "\n\t\t\t\t\tTOTAL PRICE =" << price;
                cout << endl;
        }
        PopSalon()
        {
                setFlavour();
                setSize();
                SetWrapper();
                setTopping();
                set_CustomersDetails();
        }
        ~PopSalon()
        {
                cout << "\nThank you for visiting PopSalon!\n\n ";
        }
};
void main()
{
        PopSalon obj;
        obj.display();
        system("pause");
}
```