

Automated Pizza Counter

Code:

main.cpp

```
#include <iostream>
#include <string>
#include "Pizza.h"
using namespace std;

int main()
{
    cout << "Welcome!" << endl;
    string name;
    cout << "Please enter your name : " ;
    cin >> name;
    Pizza user(name);
    int a;
    cin >> a;
    user.setPizzaName(a);
    int b;
    cin >> b;
    user.setPizzaSize(b);
    int c;
    cin >> c;
    user.setPizzaToppings(c);
```

```
    cout << endl;
    cout << "Hey " << name << " your order has been recorded. " << endl;
    cout << name << " your total cost is " << user.getCost() << " Rs." << endl;
    cout << "Thank you." << endl;
    return 0;
}
```

Pizza.h

```
#ifndef PIZZA_H
#define PIZZA_H

#include <iostream>
#include <string>

using namespace std;

class Pizza
{
public:
    Pizza(string name);
    void setPizzaName(int a);
    void setPizzaSize(int b);
    void setPizzaToppings(int c);
    int getCost() const;

private:
```

```
    int cost;  
};
```

```
#endif
```

Pizza.cpp

```
#include <iostream>  
#include <string>  
#include "Pizza.h"  
using namespace std;
```

```
Pizza::Pizza(string name)  
{  
    cout << endl;  
    cout << "Hello " << name << "." << endl;  
    cout << "Please enter the number present in front of the pizza that you would  
like to have." << endl;  
    cout << "1. Margarita Pizza" << endl;  
    cout << "2. Mexican Pizza." << endl;  
    cout << "3. Italian Pizza." << endl;  
    cout << "4. Panner Pizza." << endl;  
    cout << "5. Veg Pizza." << endl;  
    cout << endl;  
}
```

```
void Pizza::setPizzaName(int a)  
{
```

```
if(a == 1)
{
    cost = 120;
}
else if(a == 2)
{
    cost = 150;
}
else if(a == 3)
{
    cost = 180;
}
else if(a == 4)
{
    cost = 150;
}
else
{
    cost = 150;
}
cout << endl;
cout << "Please enter 1 for Small Size Pizza" << endl;
cout << "Please enter 2 for Medium Size Pizza" << endl;
cout << "Please enter 3 for Large Size Pizza" << endl;
cout << "Please enter 4 for Extra Large Size Pizza" << endl;
cout << endl;
}
```

```
void Pizza::setPizzaSize(int b)
{
    if(b == 1)
    {
        cost += 0; // cost = cost + 0
    }
    else if(b == 2)
    {
        cost += 30;
    }
    else if(b == 3)
    {
        cost += 60;
    }
    else
    {
        cost += 90;
    }
    cout << endl;

    cout << "Here is the list of toppings for you. Press the number accordingly."
    << endl;

    cout << "1. Green Olives." << endl;
    cout << "2. Black Olives." << endl;
    cout << "3. Combination of Green Olives and Black Olives." << endl;
    cout << "4. Veggies." << endl;
    cout << "5. Mushroom." << endl;
    cout << "6. Extra Cheese." << endl;
```

```
    cout << "7. Panner." << endl;  
    cout << endl;  
}
```

```
void Pizza::setPizzaToppings(int c)  
{  
    if(c == 1)  
    {  
        cost += 20;  
    }  
    else if(c == 2)  
    {  
        cost += 20;  
    }  
    else if(c == 3)  
    {  
        cost += 30;  
    }  
    else if(c == 4)  
    {  
        cost += 30;  
    }  
    else if(c == 5)  
    {  
        cost += 30;  
    }  
    else if(c == 6)
```

```
{  
    cost += 20;  
}  
else  
{  
    cost += 30;  
}  
}
```

```
int Pizza::getCost() const  
{  
    return cost;  
}
```

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