

Tablante, Rod Amyr G.

C134_IT

Ms. Gen-gen Roma

Fundamentals of programming

```
#include <stdio.h>
```

```
int main() {
```

```
    char choice;
```

```
    float vegetablePrice = 54.5, fruitsMin = 120, fruitsMax = 150, milkPrice = 90, soapPrice = 29.45, shampooPrice = 140;
```

```
    int qty;
```

```
    float total = 0, amount, payment, change;
```

```
    int fruitChoice;
```

```
    do {
```

```
        total = 0; // reset total for every new purchase
```

```
        printf("\n===== WELCOME TO MINI STORE =====\n");
```

```
        printf("What do you want to purchase?\n");
```

```
        printf("1. Vegetable (P54.5/kg)\n");
```

```
        printf("2. Fruits (P120/kg)\n");
```

```
        printf("3. Milk (P90/pack)\n");
```

```
        printf("4. Soap (P29.45/bar)\n");
```

```
        printf("5. Shampoo and Conditioner (P140/bottle)\n");
```

```
        printf("0. Finish purchase\n");
```

```
    while (1) {
```

```
        int option;
```

```
        printf("\nEnter item number (0 to finish): ");
```

```
        scanf("%d", &option);
```

```
if (option == 0) break;
```

```
printf("Enter quantity: ");
```

```
scanf("%d", &qty);
```

```
switch(option) {
```

```
    case 1:
```

```
        amount = qty * vegetablePrice;
```

```
        printf("Added %d kg of Vegetables = %.2f\n", qty, amount);
```

```
        total += amount;
```

```
        break;
```

```
    case 2:
```

```
        printf("Enter fruit price (between 120 - 150): ");
```

```
        scanf("%d", &fruitChoice);
```

```
        if(fruitChoice < 120 || fruitChoice > 150) {
```

```
            printf("Invalid price. Using default P120.\n");
```

```
            fruitChoice = 120;
```

```
        }
```

```
        amount = qty * fruitChoice;
```

```
        printf("Added %d kg of Fruits = %.2f\n", qty, amount);
```

```
        total += amount;
```

```
        break;
```

```
    case 3:
```

```
        amount = qty * milkPrice;
```

```
        printf("Added %d pack of Milk = %.2f\n", qty, amount);
```

```
        total += amount;
```

```
        break;
```

case 4:

```
amount = qty * soapPrice;  
printf("Added %d bar of Soap = %.2f\n", qty, amount);  
total += amount;  
break;
```

case 5:

```
amount = qty * shampooPrice;  
printf("Added %d bottle of Shampoo & Conditioner = %.2f\n", qty, amount);  
total += amount;  
break;
```

default:

```
printf("Invalid option. Try again.\n");  
}  
}
```

```
printf("\nTotal purchase: %.2f\n", total);
```

```
printf("Enter payment amount: ");  
scanf("%f", &payment);
```

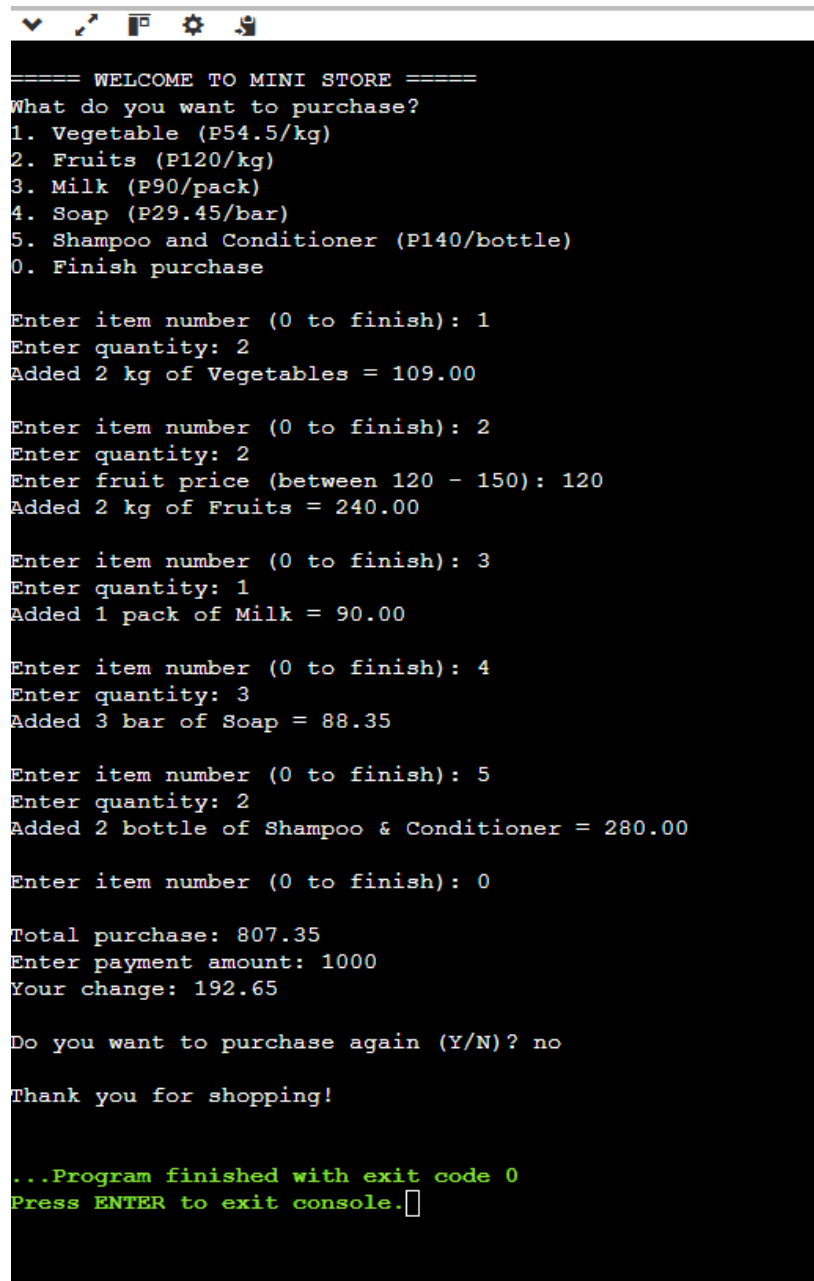
```
if (payment < total) {  
    printf("Not enough money! You still owe %.2f\n", total - payment);  
} else {  
    change = payment - total;  
    printf("Your change: %.2f\n", change);  
}
```

```
printf("\nDo you want to purchase again (Y/N)? ");
```

```
scanf(" %c", &choice);

} while (choice == 'Y' || choice == 'y');

printf("\nThank you for shopping!\n");
return 0;
}
```



```
===== WELCOME TO MINI STORE =====
What do you want to purchase?
1. Vegetable (P54.5/kg)
2. Fruits (P120/kg)
3. Milk (P90/pack)
4. Soap (P29.45/bar)
5. Shampoo and Conditioner (P140/bottle)
0. Finish purchase

Enter item number (0 to finish): 1
Enter quantity: 2
Added 2 kg of Vegetables = 109.00

Enter item number (0 to finish): 2
Enter quantity: 2
Enter fruit price (between 120 - 150): 120
Added 2 kg of Fruits = 240.00

Enter item number (0 to finish): 3
Enter quantity: 1
Added 1 pack of Milk = 90.00

Enter item number (0 to finish): 4
Enter quantity: 3
Added 3 bar of Soap = 88.35

Enter item number (0 to finish): 5
Enter quantity: 2
Added 2 bottle of Shampoo & Conditioner = 280.00

Enter item number (0 to finish): 0

Total purchase: 807.35
Enter payment amount: 1000
Your change: 192.65

Do you want to purchase again (Y/N)? no

Thank you for shopping!

...Program finished with exit code 0
Press ENTER to exit console.
```