

assignment_2_question1.cpp

```
1  /*
2  Shivam Walia and Om Upadhyay
3  */
4
5  #include <iostream>
6  using namespace std;
7
8  int main()
9  {
10     cout << "Enter the amount of money you have: ";
11     double amount = 0;
12     cin >> amount;
13
14     string coffee = "No Coffee";
15     string sweet = "None";
16     double remaining_amount = amount;
17
18     if (amount >= 1.75)
19     {
20         coffee = "Regular";
21         remaining_amount -= 1.75;
22     }
23     else if (amount >= 1.00)
24     {
25         coffee = "Small";
26         remaining_amount -= 1.00;
27     }
28     if (remaining_amount >= 1.25)
29     {
30         sweet = "Cake";
31     }
32     else if (remaining_amount >= 1.00)
33     {
34         sweet = "Donut";
35     }
36     else if (remaining_amount >= 0.60)
37     {
38         sweet = "Mini Tart";
39         if (amount < 1.00)
40         {
41             sweet = "Chocolate";
42         }
43     }
44     else if (remaining_amount >= 0.50)
45     {
46         sweet = "Chocolate";
47     }
48 }
```

```
49     cout << "Coffee Choice is: " << coffee << endl;
50     cout << "Sweet Choice is: " << sweet << endl;
51
52     return 0;
53 }
54 /*
55 OUTPUT
56
57 Enter the amount of money you have: 0.30
58 Coffee Choice is: No Coffee
59 Sweet Choice is: None
60
61 Enter the amount of money you have: 0.75
62 Coffee Choice is: No Coffee
63 Sweet Choice is: Chocolate
64
65 Enter the amount of money you have: 1.25
66 Coffee Choice is: Small
67 Sweet Choice is: None
68
69 Enter the amount of money you have: 1.55
70 Coffee Choice is: Small
71 Sweet Choice is: Chocolate
72
73 Enter the amount of money you have: 1.70
74 Coffee Choice is: Small
75 Sweet Choice is: Mini Tart
76
77 Enter the amount of money you have: 2.00
78 Coffee Choice is: Regular
79 Sweet Choice is: None
80
81 Enter the amount of money you have: 2.80
82 Coffee Choice is: Regular
83 Sweet Choice is: Donut
84
85 Enter the amount of money you have: 5.00
86 Coffee Choice is: Regular
87 Sweet Choice is: Cake
88 */
```