

./Programming Fundamentals using Python - Part 01/Assignment Set - 02/Assignment on selection :

```
1: """
2: You have x no. of 5 rupee coins and y no. of 1 rupee coins. You want to purchase an item for amount z.
3: The shopkeeper wants you to provide exact change. You want to pay using minimum number of coins.
4: How many 5 rupee coins and 1 rupee coins will you use? If exact change is not possible then display -1.
5:
6: =====
7: | Sample Input | Expected Output |
8: =====
9: | Available | Available | Amount to | Rs. 1 coins | Rs. 5 notes |
10: | Rs. 1 coins | Rs. 5 Notes | be made | needed | needed |
11: =====
12: | 2 | 4 | 21 | 1 | 4 |
13: -----
14: | 11 | 2 | 11 | 1 | 2 |
15: -----
16: | 3 | 3 | 19 | -1 |
17: =====
18: """
19:
20:
21: def make_amount(rupees_to_make, no_of_five, no_of_one):
22:     five_needed = rupees_to_make // 5
23:     one_needed = rupees_to_make - (five_needed * 5)
24:
25:     # if (5 * no_of_five + no_of_one) != rupees_to_make:
26:     #     print(-1)
27:     if five_needed > no_of_five or one_needed > no_of_one:
28:         print(-1)
29:     else:
30:         print("No. of Five needed :", five_needed)
31:         print("No. of One needed :", one_needed)
32:
33:
34: make_amount(28, 8, 5)
```