

```
1 Departments = ['Toys', 'Clothes', 'Sporting', 'Stationary']
2 Discounts = {'Toys': 10, 'Clothes': 20, 'Stationary': 5}
3 GST_rates = {'Toys': 6, 'Clothes': 12, 'Sporting': 18}
4 Toys_Price_List = {'car': 9, 'teddy': 4, 'Lego': 50}
5 Clothes_Price_List = {'shirt': 9, 'shorts': 4, 'socks': 13, 'jacket': 40}
6 Sporting_Price_List = {'ball': 9, 'racquet': 4, 'bat': 13, 'shuttle': 12}
7 Stationary_Price_List = {'pencil': 9, 'scale': 13, 'pen': 20, 'erasure': 15}
8
9 Shopping_List = input("Enter shopping list: ")
10 expected_total = input("Enter expected total: ")
11
12 total_amount = 0
13
14 for item, quantity in Shopping_List:
15     if item in Toys_Price_List:
16         department = 'Toys'
17         price = Toys_Price_List[item] * quantity
18     elif item in Clothes_Price_List:
19         department = 'Clothes'
20         price = Clothes_Price_List[item] * quantity
21     elif item in Sporting_Price_List:
22         department = 'Sporting'
23         price = Sporting_Price_List[item] * quantity
24     elif item in Stationary_Price_List:
25         department = 'Stationary'
26         price = Stationary_Price_List[item] * quantity
27     else:
28         print(f"Item '{item}' not found in any department.")
29         continue
30
31     if department in Discounts:
32         discount = Discounts[department]
33         price -= price * discount / 100
34
35     gst_rate = GST_rates.get(department, 0)
36     gst_amount = price * gst_rate / 100
37
38     total_amount += price + gst_amount
39
40 if total_amount == expected_total:
41     print("Test case passed")
42 else:
43     print("Test case failed")
```