



# Practice program: Property Cost Calculation - Python - Compile and logical Debug

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Description

property.py

property\_managem...

main.py

```
1 def main():
2     pm = PropertyManagement()
3     num_properties = int(input("Enter the number of properties required: "))
4
5     for i in range(1, num_properties + 1):
6         details = input(f"Enter the property details {i}: ")
7         booking_id, customer_name, property_type = details.split(':')
8         property_type = int(property_type)
9         pm.add_property_details(booking_id, customer_name, property_type)
10
11     search_type = int(input("Enter the property type to be searched: "))
12     result = pm.view_property_details(search_type)
13
14     if not result:
15         print("No property found")
16     else:
17         print(f"No. of properties: {len(result)}")
18         for prop in result:
19             print(f"Booking Id: {prop.get_booking_id()}")
20             print(f"Customer Name: {prop.get_customer_name()}")
21             print(f"Property Cost: {prop.get_property_cost()}")
22
23
24 if __name__ == "__main__":
25     main()
```

**Evaluation Result:**

Proposed grade: 45.0 / 100

### Result Description

**Fail 1 ::**

The function 'add\_property\_details()' is not implemented for adding many 'Property' objects to the List. It should create the 'Property' object, calculate and set the value to the 'property\_cost' variable in the Property class and then append to the List. Check the name and the implementation of the function.

**Fail 2 ::**

The function 'add\_property\_details()' is not implemented property for adding a single 'Property' object to the List. Check the name and its implementation.

**Fail 3 ::**

User inputs are required for booking id, customer name and property type and should get it as a single string. Check the implementation of input() method.

**Fail 4 ::**

Check whether the output displayed for many properties of a particular property type. Check the input and output statements.

**Fail 5 ::**

Check whether the output message is displayed properly for property type which does not exist in the List. Also check whether the user inputs are given as per the requirement specifications.

**Fail 6 ::**

Check whether the required statements are displayed as per the description for a single property for a particular type. Check the input and output statements.

**Fail 7 ::**

view\_property\_details()' method is not properly defined in 'PropertyManangement' class for a not existing property type. The function should return an empty List for a property type which does not exist. Check the implementation.

**Fail 8 ::**

view\_property\_details()' method is not properly defined in 'PropertyManangement' class for many properties of a particular type. It should return a List of property objects for a given property type. Check the implementation.

**Fail 9 ::**

view\_property\_details()' method is not properly defined in 'PropertyManangement' class for a single property of a particular type. It should return a List of property objects for a given property type. Check the implementation.