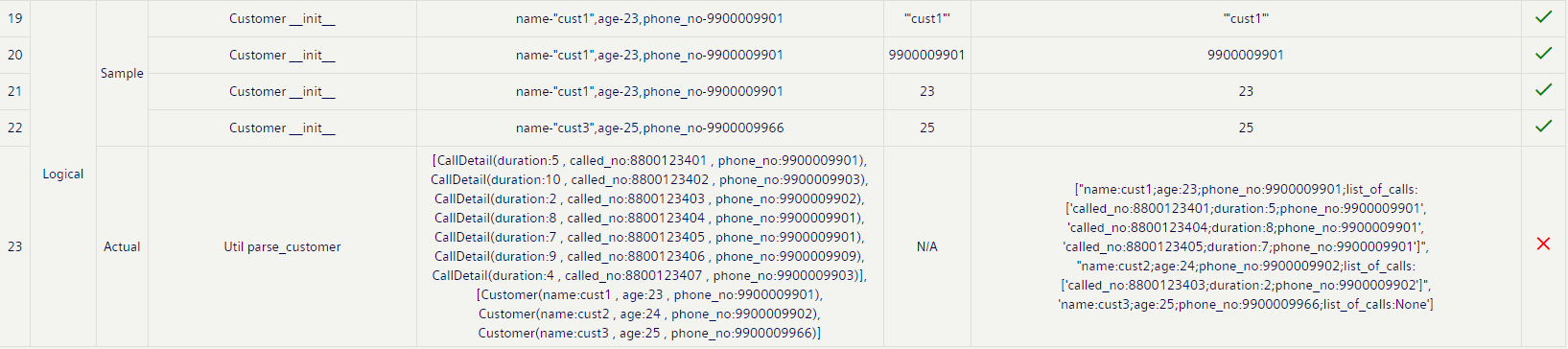
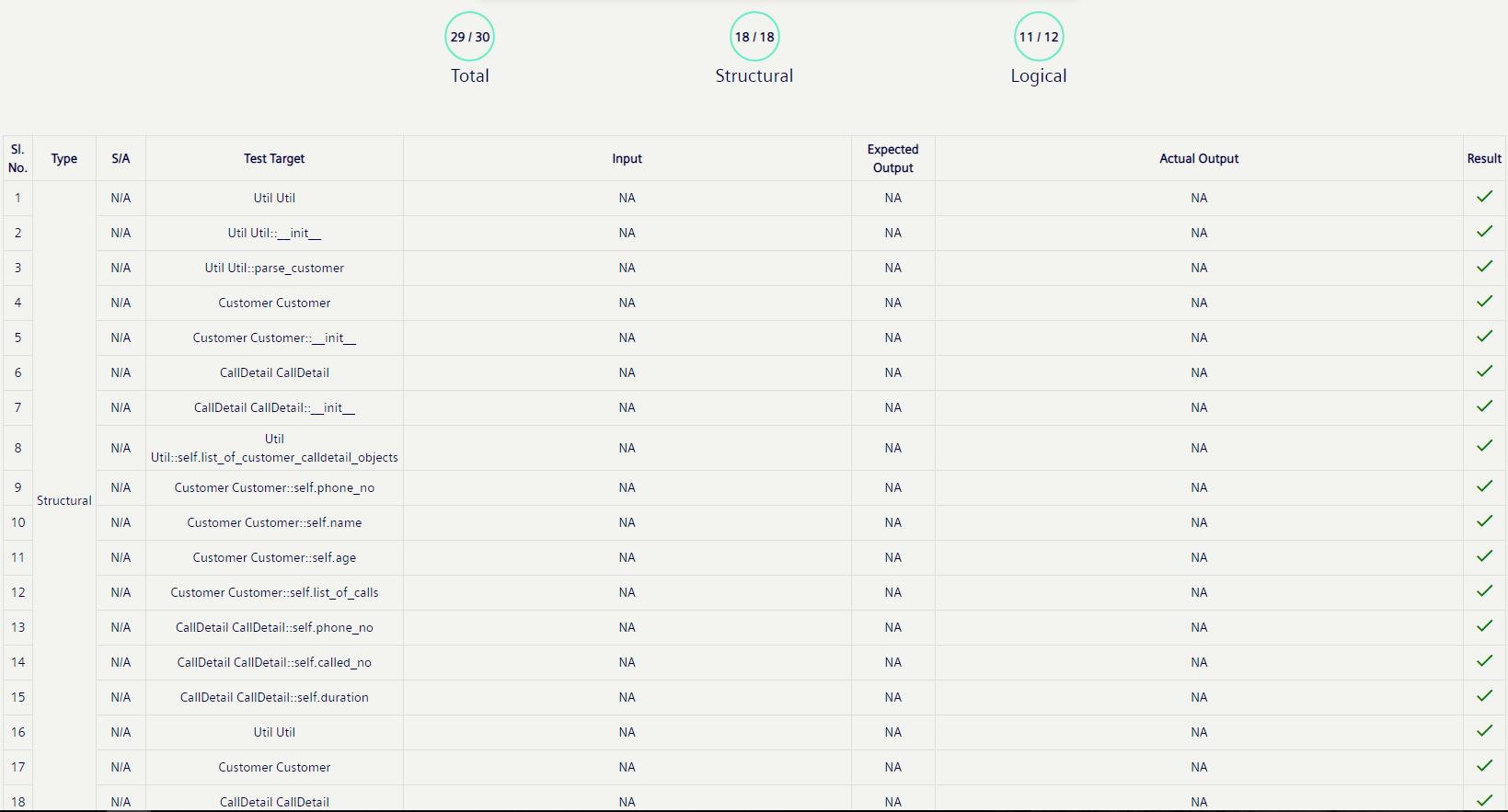
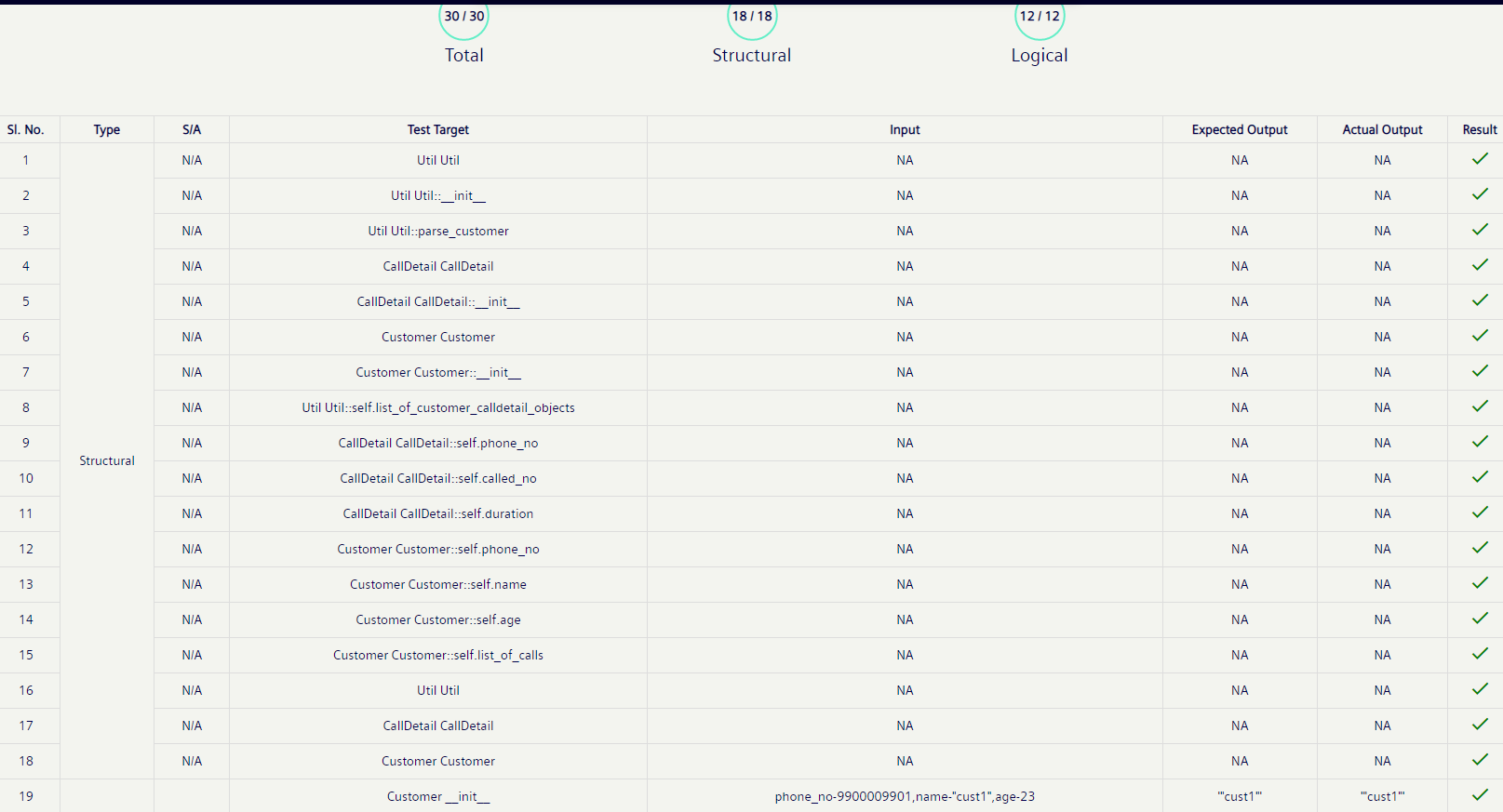
## Assignment on Dependency - Level 2

A telecom company wants to generate reports on the call details of the customers. Each customer can make multiple phone calls.  
  
**Problem Statement:**The parse\_customer method takes a list of Customer objects and a list of CallDetail objects. For every customer, identify all the corresponding Call Detail objects ( the customer phone number and the phone number of Call detail object have to match ), add them to the list\_of\_calls of corresponding customer object and add the updated customer object to list\_of\_customer\_calldetail\_objects of Util class.

1Fail: \**was failing due to my ERROR CHECK - if(len(temp)!=0:*

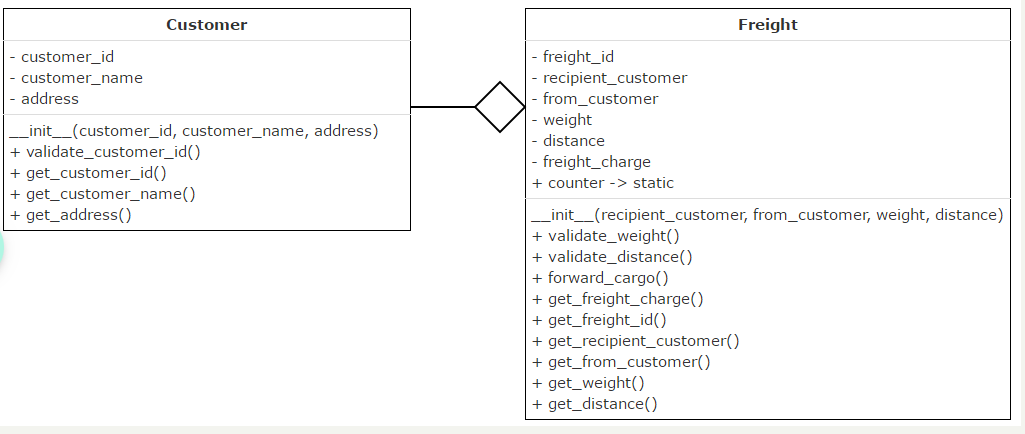


All Pass:



## Assignment on Aggregation - Level 2

Freight Pvt. Ltd, a cargo company, forwards cargos/freights between its customers.  
Freight charges are applied based on weight and distance of the shipment.  
Write a python program to implement the class diagram given below.



**Method description:**

1. Initialize counter variable to 198 in Freight class
2. All validate methods should return true, if validation succeeds. Else it should return false
3. **validate\_customer\_id():** Customer id should be 6 digits and should begin with digit 1
4. **validate\_weight():** Weight should be a multiple of 5
5. **validate\_distance():**Distance should be between 500kms and 5000kms (both inclusive)
6. **forward\_cargo():**
   * Validate from\_customer.customer\_id, recipient\_customer.customer\_id, distance and weight of the freight
   * If valid,
     + auto-generate freight\_id starting from 200 and initialize it. freight\_id should be even
     + calculate freight\_charge based on weight (Rs.150/kg) and distance (Rs.60/km)
   * Else, set freight\_charge to 0

**For testing:**

* Create objects of Customer and Freight class
* Invoke forward\_cargo() method on Freight object
* Display freight id and freight charge
* In case of error/invalid data, display appropriate error message

All Pass:

