We have got the 7/12 marks in the assignment with the following justification.

**Release not working for a non-childless company. Exceptions aren't handled.**

However, we have handled all the scenarios with proper exception handling.

**Scenario 1:**

All the scenario in given input for add, release and details are working fine.

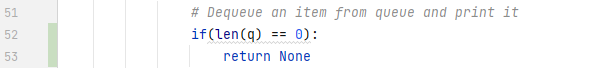
|  |  |
| --- | --- |
| Given | Output |
| Company: ce No of operations: 30 DETAIL ce ACQUIRED:aviation BY:ce ACQUIRED:power BY:ce ACQUIRED:healthcare BY:ce ACQUIRED:ce BY:ce ACQUIRED:healthcare BY:healthcare DETAIL ce ACQUIRED:additive BY:aviation ACQUIRED:additive BY:aviation DETAIL aviation RELEASE additive RELEASE additive ACQUIRED:additive BY:aviation ACQUIRED:wind-energy BY:power ACQUIRED:solar-energy BY:power ACQUIRED:appliances BY:power ACQUIRED:ct-manufacturer BY:healthcare ACQUIRED:lifescience BY:healthcare ACQUIRED:ct-manufacturer BY:ce ACQUIRED:ce BY:healthcare DETAIL ce DETAIL healthcare RELEASE healthcare DETAIL ce ACQUIRED:healthcare BY:ce DETAIL ce DETAIL healthcare DETAIL aviation DETAIL power DETAIL lifescience | DETAIL:ce Acquired companies:None No of companies acquired:0 ACQUIRED SUCCESS:ce Successfully acquired aviation ACQUIRED SUCCESS:ce Successfully acquired power ACQUIRED SUCCESS:ce Successfully acquired healthcare ACQUIRED FAILED: ce BY: ce ACQUIRED FAILED: healthcare BY: healthcare DETAIL:ce Acquired companies:aviation, power, healthcare No of companies acquired:3 ACQUIRED SUCCESS:aviation Successfully acquired additive ACQUIRED FAILED: additive BY: aviation DETAIL:aviation Acquired companies:additive No of companies acquired:1 RELEASED SUCCESS: released additive successfully RELEASED FAILED: released additive failed ACQUIRED SUCCESS:aviation Successfully acquired additive ACQUIRED SUCCESS:power Successfully acquired wind-energy ACQUIRED SUCCESS:power Successfully acquired solar-energy ACQUIRED SUCCESS:power Successfully acquired appliances ACQUIRED SUCCESS:healthcare Successfully acquired ct-manufacturer ACQUIRED SUCCESS:healthcare Successfully acquired lifescience ACQUIRED FAILED: ct-manufacturer BY: ce ACQUIRED FAILED: ce BY: healthcare DETAIL:ce Acquired companies:aviation, power, healthcare No of companies acquired:3 DETAIL:healthcare Acquired companies:ct-manufacturer, lifescience No of companies acquired:2 RELEASED SUCCESS: released healthcare successfully |

**Scenario 2:**

|  |  |
| --- | --- |
| Given | Output |
| Company: ce No of operations: 31 DETAIL ce ACQUIRED:aviation BY:ce ACQUIRED:power BY:ce ACQUIRED:healthcare BY:ce ACQUIRED:ce BY:ce ACQUIRED:healthcare BY:healthcare DETAIL ce ACQUIRED:additive BY:aviation ACQUIRED:additive BY:aviation DETAIL aviation RELEASE additive RELEASE additive ACQUIRED:additive BY:aviation ACQUIRED:wind-energy BY:power ACQUIRED:solar-energy BY:power ACQUIRED:appliances BY:power ACQUIRED:ct-manufacturer BY:healthcare ACQUIRED:lifescience BY:healthcare ACQUIRED:ct-manufacturer BY:ce ACQUIRED:ce BY:healthcare DETAIL ce DETAIL healthcare RELEASE healthcare DETAIL ce **DETAIL healthcare** ACQUIRED:healthcare BY:ce DETAIL ce DETAIL healthcare DETAIL aviation DETAIL power DETAIL lifescience | As highlighted text int he input file, “**Detail healthcare**” is giving the exception and our code is not working. This is only one scenario where we are getting the exception. Detail healthcare node itself does not exist and that’s why we are getting the error. It’s kind of exception handling scenario for which we have not done the exception handling. Request you to revaluate and then give us marks accordingly. |

We have only added below two lines of code in find\_company and our code is perfectly working fine. Request you to evaluate our assignment again.

def find\_company(self,company\_name,root):



Please find the attached py file for your reference.