**Demonstration:**

**Step1:**

* Initially I declare customers as “**customer1**“and “**customer** 2” with their respective transactions**.**

**Step2:**

* I am trying to calculate the customer points.
* Here initially I set the “**total points**” as “**0**”.
* Later I wrote an “**if**” condition which explains the customer 1 and 2 transaction scenarios.
* For first condition

If (purchases <=100 && purchases>50) {

Then the Total points = total points + (purchases – 50);

}

* Here customer2 satisfies the above condition. Because for customer two there are three transactions and each transaction purchase are 100$.
* So as per question we know that 1 point will get for every dollar spent over 50$.
* So here for every purchase of 100$ we will get 50 points.
* 3 transactions happened with purchase of 100$ each. So, for each purchase we will get 50 points. Total three purchases for customer2.
* Total Points for customer 2 = 50+50+50 = 150

**Now if we consider else if condition customer1 satisfies this condition.**

**Else if (purchases > 100) {**

**TotalPoints = totalPoints +50 + ((purchases-100) \*2);**

**}**

**Here For Customer1 three transactions happened purchase of 120$ each**

**Now apply the above condition for one transaction purchase**

**TotalPoints = 0 +50+((120-100) \*2)**

**= 0+50+((20) \*2)**

**= 90 points for each transaction.**

**For Customer1 there are three transactions purchase of 120 $ each.**

**So 90+90+90 = 270 points for customer 1**