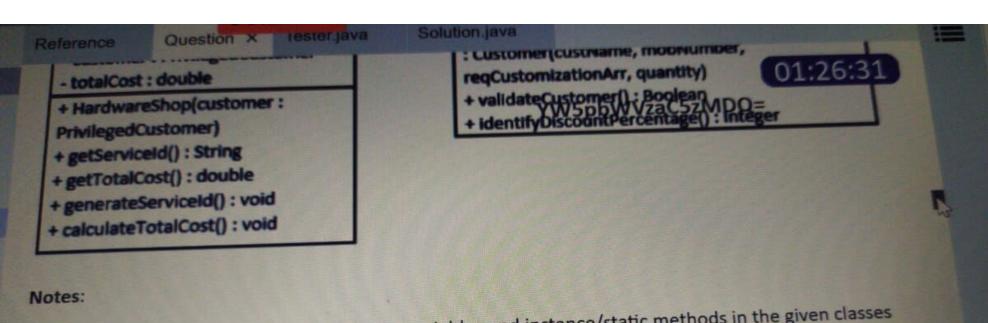


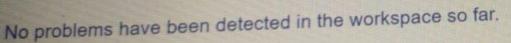
No problems have been detected in the workspace so far.

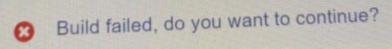




- Do not include any extra instance/static variables and instance/static methods in the given classes
- Case-insensitive comparison is to be done if not explicitly mentioned

Problems X Java Debug Console





You're being proctored!

PrivilegedCustomer class:

privilegedIdArr:

- YW5pbWVzaC5zMDQ=
 This is a static array (String[]) that contains the privilegedId (String) of the customers as its elements
- The initial value of the privilegedIdArr is given below -

privilegedIdArr

{"P101", "P345", "P785", "P099"}

Note:

- Do not change the CASE of elements in the array
- This array is supplied. Hence no need to code

validateCustomer():

Problems X Java Debug Console

No problems have been detected in the workspace so far.



Build failed, do you want to continue?

You're being proctored!



YW5pbWVzaC5zMDQ=

Implementation Details:

ClassName	Implementation Details
HardwareShop	Partially implemented
Customer	Fully implemented
PrivilegedCustomer	Partially implemented

PrivilegedCustomer class:

Problems X Java Debug Console

No problems have been detected in the workspace so far.

Build failed, do you want to continue?

You're being proctored!



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01:06:42

generateServiceId():

YW5pbWVzaC5zMDQ=

- This method auto-generates and sets the serviceId (String)
- The serviceId must be prefixed by "S" in uppercase followed by the auto-generated value starting from 101
- Subsequent serviceld must be incremented by 1
- Use static variable counter appropriately to implement the autogeneration

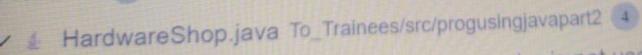
Example: The first serviceld would be "S101", the second would be "S102" and so on

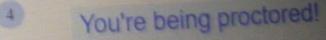


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Problems (X Java Debug Console





The value of the field HardwareShop.counter is not used Ja

No outline available.

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calculateTotalCost():

01:00:26

- This method calculates and sets the totalCost and generates the serviceId based on the below logic:
- Invoke validateCustomer() method of PrivilegedCustomer class
- If the above method returns true and quantity is at least 1 and reqCustomizationArr contains at least 1 element, then:
 - If all the elements of reqCustomizationArr are present in customizedItemArr, then:

Note: Perform case-insensitive comparison

Identify the corresponding customizedItemCost (int) from



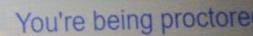
Problems (1)

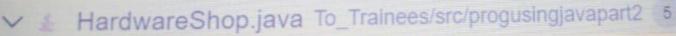


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information available.

PrivilegedCustomer class and apply

- discountPercentage on totalCost

 YW5pbWVzaC5zMD0=

 Obtain the finalCost (double) by adding 5% tax on the totalCost
- Invoke generateServiceId() method to generate the serviceld
- Set the totalCost with the obtained finalCost
- Otherwise, set serviceld to "NA" and totalCost to -1.0
- Otherwise, set serviceld to "NA" and totalCost to -1.0

ssumptions:



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- Identify the corresponding customizediter 01 the customized tem Cost Arr for all the elements reqCustomizationArr
- Obtain the basicCost (int) by adding all the above identified customizedItemCost
- Identify the totalCost (double) by multiplying basicCost and quantity
- (int) by invoking discountPercentage Identify the method of identifyDiscountPercentage() apply the identified PrivilegedCustomer class and discountPercentage on totalCost

No outline information available





