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**Question 10 № Flag question # Edit question** Not yet answered Marked out of 30.00

## **Coding Question 2**

The '7 Eleven' supermarket is giving discounts for their customers who shop between 7pm (19:00) and 11pm (23:00). The discounts are given according to the time and the total amount they spend at the shop. The discount percentages are shown in the following table:

Time (24 Hrs)	Total >= 5000	5000 > Total >= 2500
19:00 to 21:00	10%	7%
22:00 to 23:00	12%	9%

Write a method called calDiscount() to calculate the discount given for a transaction by sending the time as an integer (Eg: between 19:00 to 19:59 need to enter only 19) and the total amount as input parameters.

## double calDiscount (int time, double totalAmount)

The supermarket has decided to give a free gift for the customers according to the final total after applying the discount. The table below shows the criteria for the gifts:

Final Amount (after discount applied)	Gift
>= 7000	Packet of Milk
5000 – 6999	Pack of 6 Eggs
3000 – 4999	1 Kg of Sugar
< 3000	No Gift

Write a method called displayGift() to display the gift that the customer is eligible for.

## void displayGift (double finalTotal)

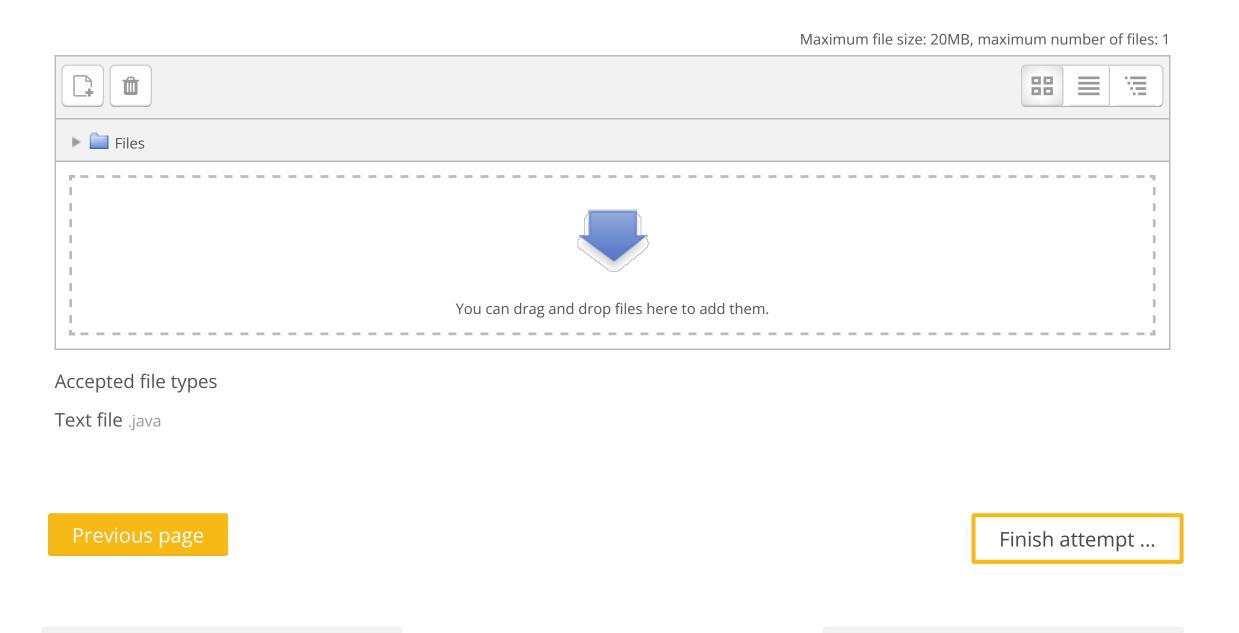
- In the main() program implement the following:
  - Ask user to input time and total amount from the keyboard
  - If user entered an invalid time (any range outside 7pm and 11pm) then display an error ii.

message

- Display the final total (after applying the discount) by calling/invoking the method iii.
- Display the gift customer is eligible for by calling/invoking the method iv.

Save your program as: ITxxxxxxxxQ2.java

Replace 'ITxx xxx xxx' of the filename, with your own Student ID.

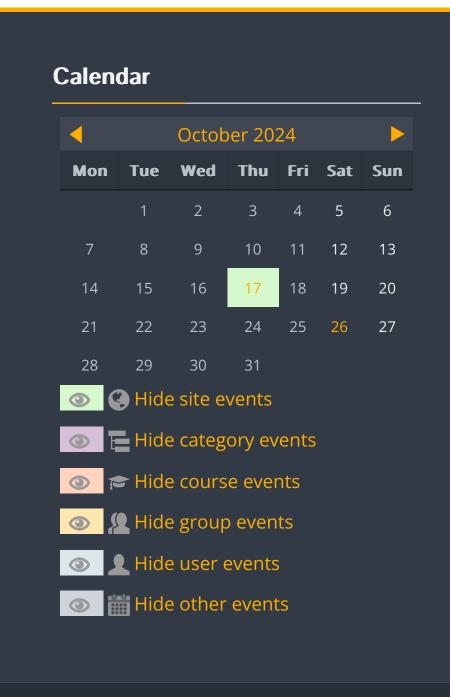


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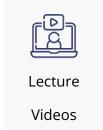
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