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**Question 9 ▽** Flag question Not yet answered **# Edit question** Marked out of 30.00

## **Coding Question 1 – Part A**

An array stores the details of customer transactions (account number, name of account holder, transaction type and amount) in a bank. Transaction type would be either Withdrawal (W or w) and Deposit (D or d). Use suitable data types for array creation.

Write a Java program to create an array and store the details of 5 customer transactions. Using the stored details, calculate the following:

- Total deposit amount
- Total withdrawal amount ii.
- Count of all deposit transactions iii.
- Count of all withdrawal transactions iv.
- Name of customer who has deposited the maximum amount V.
  - Name of the customer who has deposited the minimum amount vi.

Sample Input:

**Enter Amount** 

Enter Customer 1 Name : Enter Account Number : Enter Transaction Type:

Enter Customer 2 Name : Enter Account Number : Enter Transaction Type : Enter Amount

Enter Customer 5 Name : Enter Account Number : Enter Transaction Type : Enter Amount

Arrays:

Viraj Sudesh Hiran Ama Danuli 8254 1267 7823 9023 4587 d W D D W 1000.00 500.00 350.00 250.00 750.00

Sample Output:

Total Deposit Amount is : 2250.00 Total Withdrawal Amount is : 600.00 Count of All Deposit Transactions is Count of All Withdrawal Transactions is : 2

Maximum Deposit Amount Customer Name is Maximum Withdrawal Amount Customer Name is : Ama

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

Save your program as: ITxxxxxxxXQ1A.java

## **Question 1 – Part B** A 3 x 3 square display panel consists of LED bulbs of following colors: Red (R), Green (G), and Blue (B). Write a Java

program asking user the position (row and column) of each LED bulb in the panel. Display the LED panel as a visual output. Finally ask the user to enter a one color (R, G, or B) and display all the positions (row and column) of the particular color in the panel.

Sample Output:

Enter Color for Position [0,0] : R Enter Color for Position [0,1] : R Enter Color for Position [0,2] : G

Enter Color for Position [1,0] : G Enter Color for Position [1,1] : B Enter Color for Position [1,2] : G

Enter Color for Position [2,0] : R Enter Color for Position [2,1] : G Enter Color for Position [2,2] : B

LED Panel Visual Display: R R G

G B G

R G B

Location of All Red LED Bulbs are : [0,0] [0,1] [2,0]

Select a Color (R, G, or B) to display all locations : R

Save your program as: ITxxxxxxxXQ1B.java

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



Text file .java

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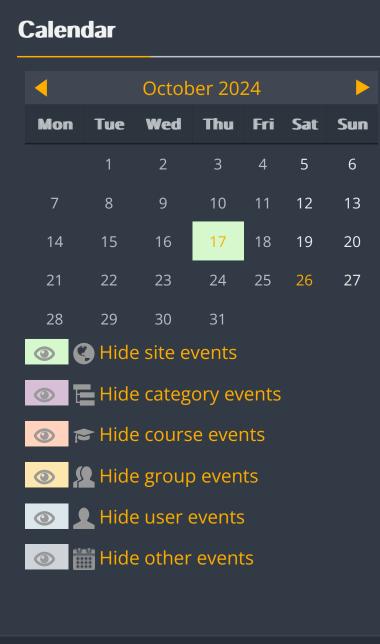
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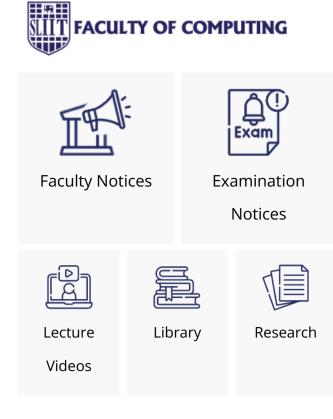


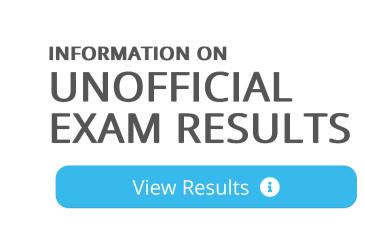
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