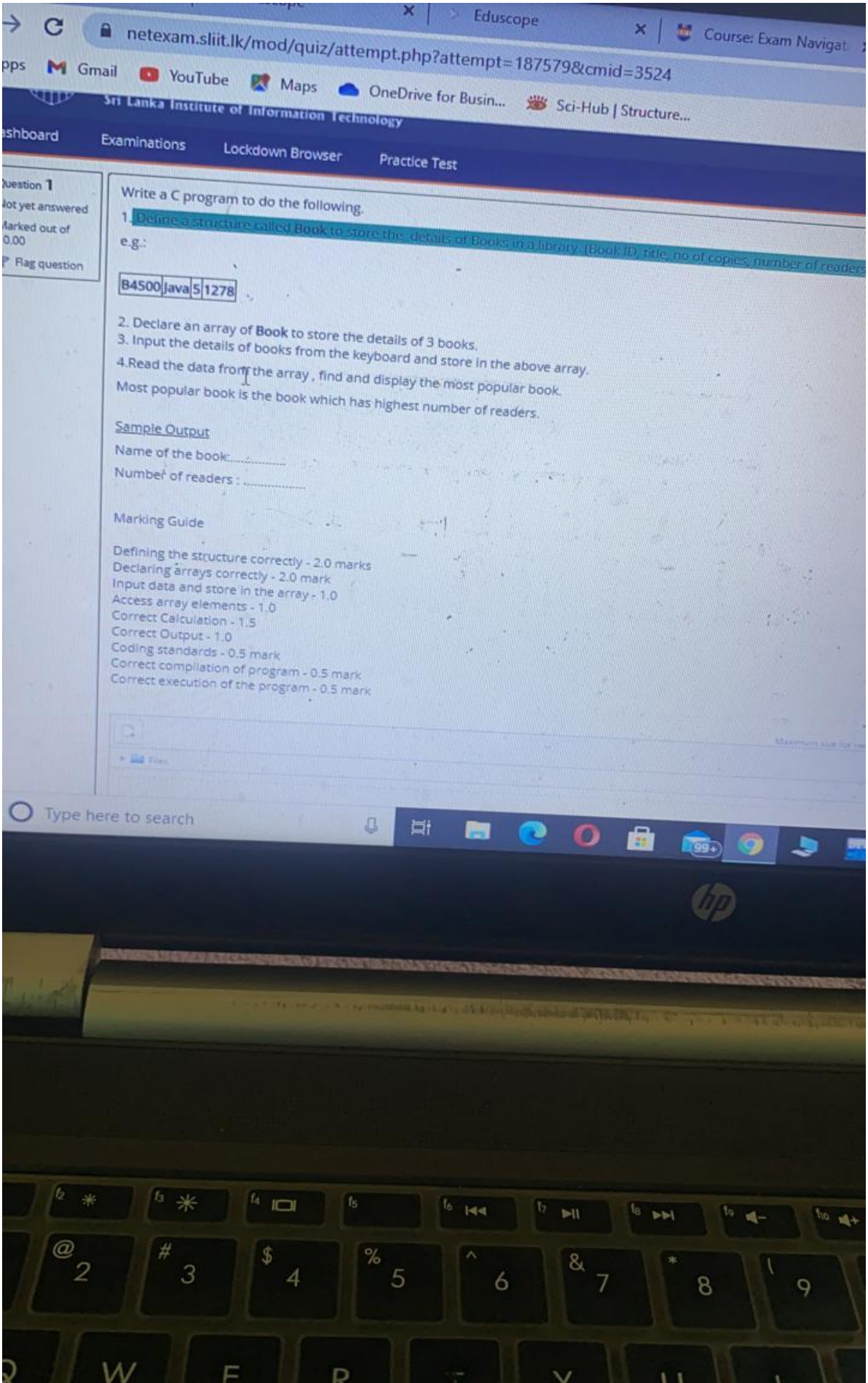
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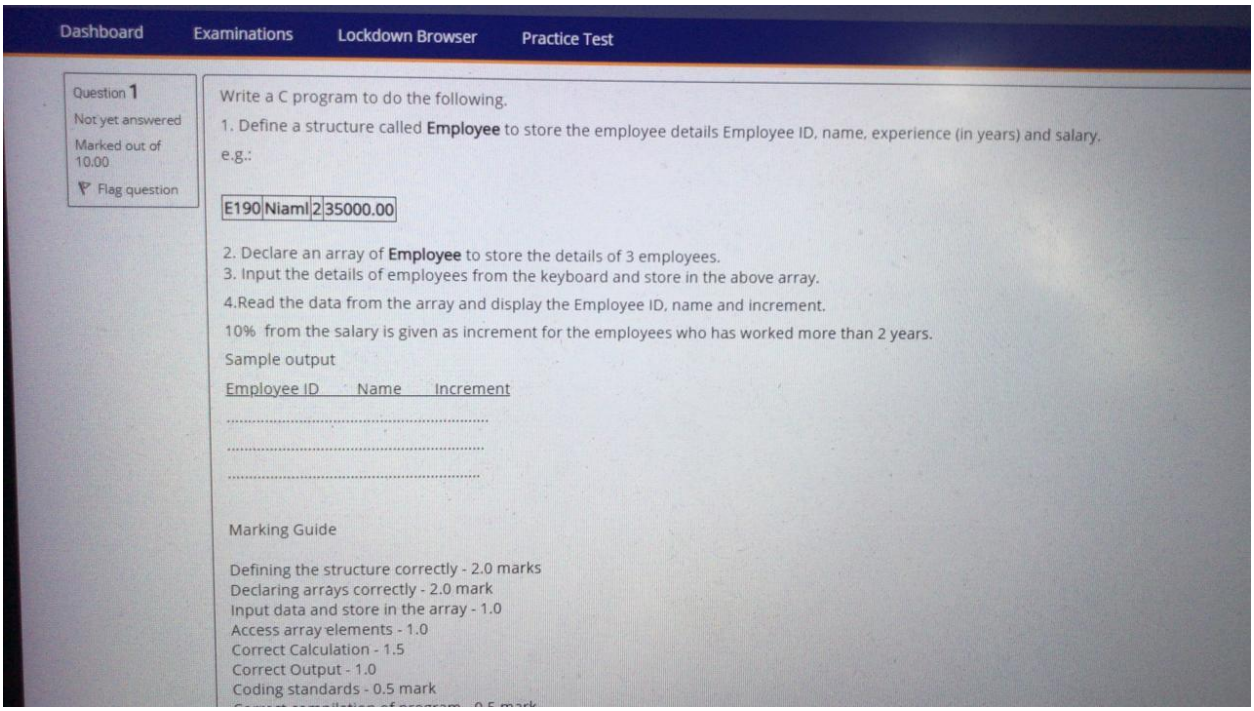
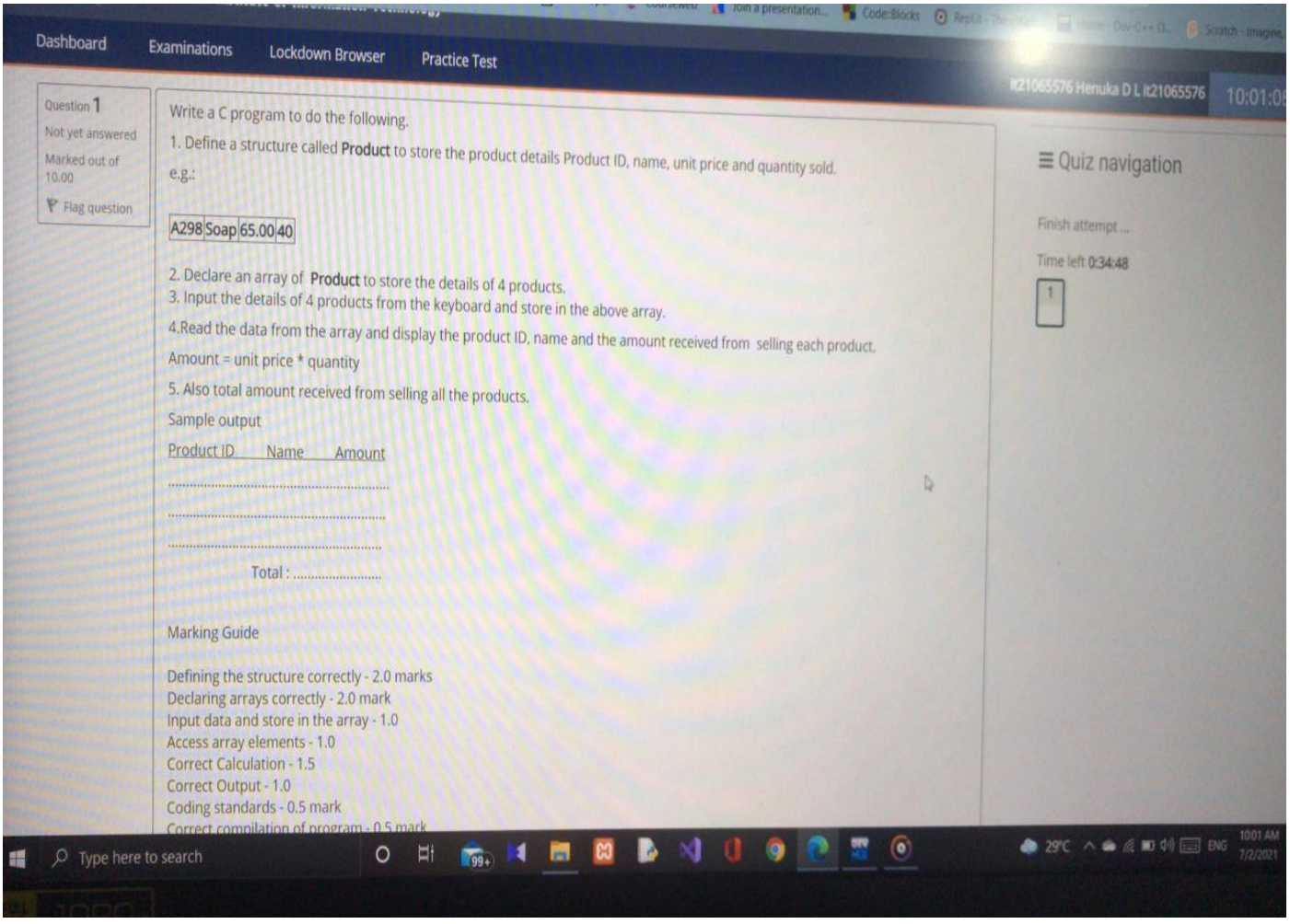
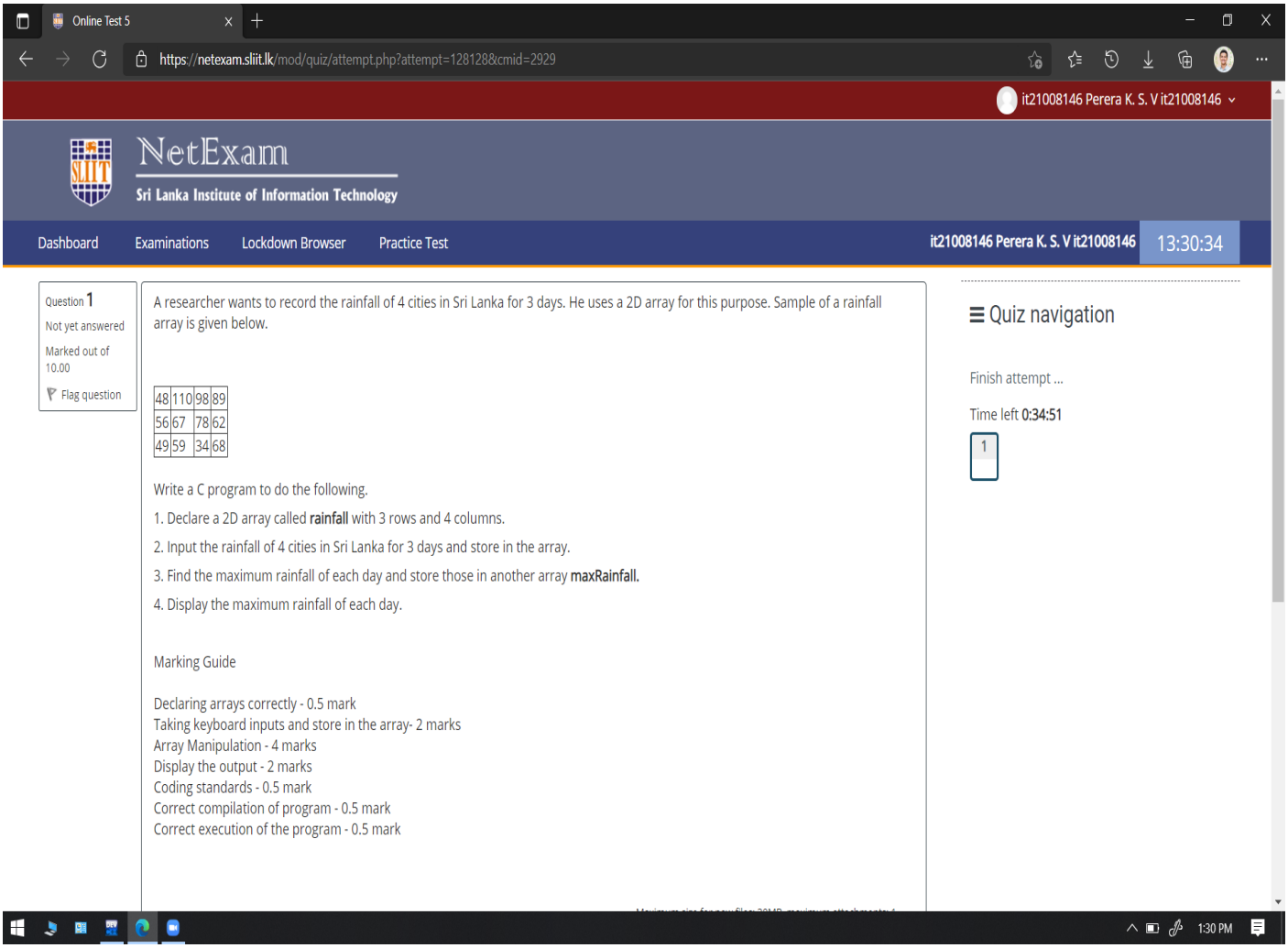
Sri Lanka Institute of Information Technology
Examinations
Lockdown Browser
Practice Test
Question 1
Not yet answered
Marked out of 0.00
Flag question
Write a C program to do the following.
1. Define a structure called Book to store the details of Books in a library (Book ID, title, no of copies, number of readers
e.g.:
B4500 Java 5 1278
2. Declare an array of Book to store the details of 3 books.
3. Input the details of books from the keyboard and store in the above array.
4.Read the data from the array , find and display the most popular book.
Most popular book is the book which has highest number of readers.
Sample Output
Name of the book:.....
Number of readers :.....
Marking Guide
Defining the structure correctly - 2.0 marks
Declaring arrays correctly - 2.0 mark
Input data and store in the array - 1.0
Access array elements - 1.0
Correct Calculation - 1.5
Correct Output - 1.0
Coding standards - 0.5 mark
Correct compilation of program - 0.5 mark
Correct execution of the program - 0.5 mark
Type here to search


Dashboard
Examinations
Lockdown Browser
Practice Test
Question 1
Not yet answered
Marked out of 10.00
Flag question
Write a C program to do the following.
1. Define a structure called Employee to store the employee details Employee ID, name, experience (in years) and salary.
e.g.:
E190 Niaml 2 35000.00
2. Declare an array of Employee to store the details of 3 employees.
3. Input the details of employees from the keyboard and store in the above array.
4.Read the data from the array and display the Employee ID, name and increment.
10% from the salary is given as increment for the employees who has worked more than 2 years.
Sample output
Employee ID Name Increment
Marking Guide
Defining the structure correctly - 2.0 marks
Declaring arrays correctly - 2.0 mark
Input data and store in the array - 1.0
Access array elements - 1.0
Correct Calculation - 1.5
Correct Output - 1.0
Coding standards - 0.5 mark


Dashboard
Examinations
Lockdown Browser
Practice Test
Question 1
Not yet answered
Marked out of 10.00
Flag question
Write a C program to do the following.
1. Define a structure called Product to store the product details Product ID, name, unit price and quantity sold.
e.g.:
A298 Soap 65.00 40
2. Declare an array of Product to store the details of 4 products.
3. Input the details of 4 products from the keyboard and store in the above array.
4.Read the data from the array and display the product ID, name and the amount received from selling each product.
Amount = unit price * quantity
5. Also total amount received from selling all the products.
Sample output
Product ID Name Amount
Total :
Marking Guide
Defining the structure correctly - 2.0 marks
Declaring arrays correctly - 2.0 mark
Input data and store in the array - 1.0
Access array elements - 1.0
Correct Calculation - 1.5
Correct Output - 1.0
Coding standards - 0.5 mark
Quiz navigation
Finish attempt ...
Time left 0:34:48
Type here to search


Online Test 5
https://netexam.sliit.lk/mod/quiz/attempt.php?attempt=128128&cmid=2929
it21008146 Perera K. S. V it21008146
NetExam
Sri Lanka Institute of Information Technology
Dashboard
Examinations
Lockdown Browser
Practice Test
it21008146 Perera K. S. V it21008146
13:30:34
Question 1
Not yet answered
Marked out of 10.00
Flag question
A researcher wants to record the rainfall of 4 cities in Sri Lanka for 3 days. He uses a 2D array for this purpose. Sample of a rainfall array is given below.
48 110 98 89
56 67 78 62
49 59 34 68
Write a C program to do the following.
1. Declare a 2D array called rainfall with 3 rows and 4 columns.
2. Input the rainfall of 4 cities in Sri Lanka for 3 days and store in the array.
3. Find the maximum rainfall of each day and store those in another array maxRainfall.
4. Display the maximum rainfall of each day.
Marking Guide
Declaring arrays correctly - 0.5 mark
Taking keyboard inputs and store in the array- 2 marks
Array Manipulation - 4 marks
Display the output - 2 marks
Coding standards - 0.5 mark
Correct compilation of program - 0.5 mark
Correct execution of the program - 0.5 mark
Quiz navigation
Finish attempt ...
Time left 0:34:51
1
1:30 PM

A shipping company uses a 2D array to record the length, width and height of the boxes they shipped. They have recorded the sizes of 4 boxes in an array call **boxes**.

2	2	2
2	4	4
3	4	4
5	5	3

Write a C program to do the following.

1. Declare an array called **boxes** with 4 rows and 3 columns.
2. Input the length, width and height of 4 boxes and store in the array.
3. Calculate the volume of each box and store in another array called **volume**.
volume = length x height x width
4. Display the volume of each box.

Marking Guide

Declaring arrays correctly - 0.5 mark
Taking keyboard inputs and store in the array- 2 marks
Array Manipulation - 4 marks
Display the output - 2 marks
Coding standards - 0.5 mark
Correct compilation of program - 0.5 mark
Correct execution of the program - 0.5 mark

Question 1

Not yet answered

Marked out of 10.00

Flag question

The daily temperature of 2 main cities in Sri Lanka is recorded three times a day and stored in a 2D array called **temp**.
At the end of each day, the average temperature of each city is calculated and stored in another 1D array called **avgTemp**.

Write a C program to do the following.

1. Declare an array called **temp** with 2 rows and 3 columns.
2. Input the temperatures from the key board and store in the array.
3. Calculate the average temperature of each city and store the result in **avgTemp** array in the same order of cities.
4. Display the average temperatures of the cities.

example :

temp array

	morning	noon	evening
Colombo	29.1	32.6	31.3
Kandy	27.8	30.2	28.4

avgTemp array

Colombo	31.0
Kandy	28.8

Marking Guide

Declaring arrays correctly - 0.5 mark
Taking keyboard inputs and store in the array- 2 marks
Array Manipulation - 4 marks
Display the output - 2 marks
Coding standards - 0.5 mark
Correct compilation of program - 0.5 mark
Correct execution of the program - 0.5 mark

Question 1

Not yet answered

Marked out of 10.00

Flag question

A chocolate manufacturing company has three machines to produce chocolate balls. 5 chocolate balls from each machine were taken to check the average size of the chocolate balls produce from each machine.

Write a C program to do the following.

1. Declare an array called **size** with 3 rows and 5 columns.

2. Input the size of the chocolate balls from the key board and store the sizes in the array called **size**. Assume that each row in the array represent the size of chocolate balls from one machine.

22	22.5	22.3	22.1	21.9
22.6	22.5	22.4	22.2	22.5
22.3	22.1	22.3	22.3	22.4

3. Find the average size of balls of each machine and store the result in another array called **avgSize.**

4. Display the average size of each machine.

Marking Guide

Declaring arrays correctly - 0.5 mark

Taking keyboard inputs and store in the array- 2 marks