Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
Email id	241001183@rajalakshmi.edu.in
Test	REC_Week 12_Java_Lamba Expressions_MCQ
Course	2024_28_III_OOPS Using Java Lab

IP Address 2409:... Tab Switches -- OS Used Windows Browser Used Ch...

Test Duration 00:... Test Start Time N... Test Submit Time N

Summary Sections Filters

1 MCQ (10)

Question No: 1

Multi Choice Type Question

Which of the following is a valid lambda expression in Java?

- (x) -> {return x * 2;}
- x -> return x * 2;
- (x) -> x * 2
- All of the mentioned options

Status **Correct** | Mark obtained **1/1** | Hints used **0** | Level **Easy**

Question type **MCQ Single Correct** | Subject **Java**

Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
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Test	2028_REC_OOPS using Java_Week 12_Q1
Course	2024_28_III_OOPS Using Java Lab

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Summary Sections Filters

1 Coding (1)

Question No: 1

Single File Programming Question

Problem Statement

Sabrina is working on a project that involves analyzing a set of numbers. In her exploration, she encounters scenarios where extracting even numbers and finding their sum is essential.

Create a program that calculates the sum of even numbers from a given array of integers using a lambda expression.

Input format :

The first line of input consists of an integer **N,** representing the size of the array.

The second line consists of **N** space-separated integers, representing the elements of the array.

Output format :

The output prints the sum of the even integers from the array.

Refer to the sample output for formatting specifications.

Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
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Test	2028_REC_OOPS using Java_Week 12_Q2
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Summary Sections Filters

1 Coding (1)

Question No: 1

Single File Programming Question

Problem Statement

Alex is learning about Java's *functional interfaces* and *lambda expressions*.

He wants to write a simple program that prints the **square of each number** in an array using a **predefined functional interface**.
Help Alex complete this task using the Consumer functional interface.

Input format :

The first line contains an integer N, the number of elements in the array.

The second line contains N space-separated integers.

Output format :

Print the squares of all elements in the array, separated by a space.

Refer to the sample output for formatting specifications.

Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
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Test	2028_REC_OOPS using Java_Week 12_Q3
Course	2024_28_III_OOPS Using Java Lab

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Summary Sections Filters

1 Coding (1)

Question No: 1

Single File Programming Question

Problem Statement

In the mystical realm of programming, there exists a magical incantation to reveal hidden words.

Elara, the skilled enchantress, wishes to **summon a word** using her spell and then **reverse** its characters to uncover its enchanted reflection.
Write a program that uses the **predefined functional interface Supplier<String>** and a **lambda expression** to:

Supply (generate) a string, and
Display its reversed form.

Input format :

No input is required from the user.

The string must be supplied internally using a **Supplier<String>**.

Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
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Course	2024_28_III_OOPS Using Java Lab

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Summary Sections Filters

1 Coding (1)

Question No: 1

Single File Programming Question

Problem Statement

Abi is working on a text analysis project where she needs to categorize words based on their length.

Words that have **three or fewer characters** are considered **"Short"**, while

words with **more than three characters** are classified as **"Long."**
Write a Java program that takes a sentence as input, analyzes each word, and prints a list showing whether each word is "Short" or "Long."

Use the **predefined functional interface Function<String, String>** along with a **lambda expression** for categorization.

Input format :

A single line containing a sentence (words separated by spaces).

Output format :

Result & Analysis

Attempt 1 of 01

Student	raghu nandhan
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Test	REC_Week 12_Java_Lamba Expressions_PAH
Course	2024_28_III_OOPS Using Java Lab

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Summary Sections Filters

1 COD (4)

Question No: 1

Single File Programming Question

Problem Statement

Sneha is developing a feature for an **e-commerce application** that helps display product details after applying a seasonal discount.

She decides to use **lambda expressions** with the **Consumer** functional interface to print each product's name, original price, and discounted price neatly.

The program should:

- Accept a list of product names and their prices.
- Apply a **15% discount** on all products.
- Use a **Consumer** lambda expression to display the details in a formatted manner.

Input format :

The first line of input consists of an integer **n**, representing the number of products.

The next **n** lines each contain a **String (product name)** and a **double (price)** separated by a space.

Result & Analysis

Attempt 1 of 01

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Course	2024_28_III_OOPS Using Java Lab

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Summary Sections Filters

1 Coding (4)

Question No: 1

Single File Programming Question

Problem Statement

A company named *TechNova* is collecting feedback from its customers. Each customer gives a feedback score (an integer between 1 and 10) along with their name.

The company wants to:

- Display each customer's name along with their feedback in a formatted way using a **lambda expression** and a **Consumer** functional interface.
- After displaying all feedbacks, calculate and display the **average feedback score**.

You need to implement this functionality using Java **lambda expressions** and **streams**, emphasizing the **Consumer** interface for displaying formatted output.

Input format :

The first line of input contains an integer **n**, representing the number of customers.

The next **n** lines each contain a **String** (customer name) followed by an **int** (feedback score).

Output format :