

Result & Analysis

Attempt 1

of 01



Student

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Test

2028\_REC\_OOPS using Java\_Week 5\_MCQ

Course

2024\_28\_III\_OOPS Using Java Lab

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 Summary Sections

Filters

1 MCQ (15)

**Question No: 1****Multi Choice Type Question**

What will be the output of the following code?

```
1 class MathUtils {  
2     int add(int x) {  
3         return x + x;  
4     }  
5 }  
6  
7 public class Main {  
8     public static void main(String[] args) {  
9         MathUtils m = new MathUtils();  
10        System.out.println(m.add(5));  
11    }  
12 }
```

 25 5

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Summary

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1 Coding (1)

**Question No: 1****Single File Programming Question****Problem Statement**

You are working as a developer for CityBank, which wants to build a basic account management system.

Each customer at the bank has:

- An Account Number (integer)
- A Customer Name (string)
- An Initial Balance (double)

The bank allows two types of transactions:

- Deposit – increases the balance.
- Withdrawal – decreases the balance only if enough funds are available.

If the withdrawal amount is greater than the balance, the withdrawal should not happen, and the balance should remain the same.

You are required to implement this system using:

- A class with attributes for account details.
- A constructor to initialize account details.
- Setter methods to update details if needed.
- Getter methods to retrieve details.
- Objects of the class to represent customers.

Finally, display each customer's account details after all transactions.

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Summary

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1 Coding (1)

### Question No: 1

#### Single File Programming Question

##### Problem Statement

Neha is working as a developer for CityElectricity Board, which wants to build a household electricity billing system.

Each customer's electricity account has:

- A Customer ID (integer)
- A Customer Name (string)
- Units Consumed (double)

The electricity bill is calculated based on these rules:

- For the first 100 units → 5 units charge per unit
- For the next 100 units (101–200) → 7 units charge per unit
- For units above 200 → 10 units charge per unit
- If the total bill exceeds 2000 units, a 5% discount is applied on the final bill.

Neha has been asked to implement this system using:

- A class with attributes for customer details.
- A constructor to initialize customer details.
- Setter methods to update details if needed.
- Getter methods to retrieve details.
- Objects of the class to represent customers.

Finally, display each customer's details and final bill amount.

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1 Coding (1)

**Question No: 1****Single File Programming Question****Problem Statement**

You are working as a developer for CityCab, a taxi service company that wants to build a ride fare management system.

Each customer booking has:

- A Booking ID (integer)
- A Customer Name (string)
- A Distance Travelled in km (double)

The fare calculation rules are:

- Base Fare = 50 units (flat charge for every ride).
- Per km charge = 10 units/km.
- If the distance is greater than 20 km, a 10% discount is applied on the total fare.

You are required to implement this system using:

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Summary

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1 Coding (1)

### Question No: 1

#### Single File Programming Question

##### Problem Statement

Ram is working as a developer for BrightEdu Coaching Center, which wants to build a student fee management system.

Each student's enrollment has:

- An Enrollment ID (integer)
- A Student Name (string)
- The Number of Subjects (integer)

The fee calculation rules are:

- Registration Fee = 1000 units (flat for every student).
- Per Subject Fee = 800 units.
- If the student enrolls in more than 5 subjects, a 20% scholarship (discount) is applied on the total fee.

Ram has been asked to implement this system using:

- A class with attributes for student details.
- A constructor to initialize student details.
- Setter methods to update details if needed.
- Getter methods to retrieve details.
- Objects of the class to represent student enrollments.

Finally, display each student's details and final fee.

##### Input Format :

<https://rec215.examly.io/result?testId=U2FsdGVkX199mBz%2FY2fdRdKaFRr1eXIE8sQTSbdBGuRmT5ShirQiE1g2JKKH25JW>

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Summary

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1 Coding (5)

**Question No: 1****Single File Programming Question****Problem Statement**

Neha is working as a developer for CityMovie Theatre, which wants to build a system to calculate total ticket cost for movie-goers based on the number of tickets and type of seats booked.

Each customer's booking has:

- Booking ID (integer)
- Customer Name (string)
- Number of Tickets (integer)
- Seat Type (string: "Standard", "Premium", "VIP")

The ticket prices are:

- Standard – 250 units per ticket
- Premium – 400 units per ticket
- VIP – 600 units per ticket

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Summary

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1 Coding (4)

**Question No: 1****Single File Programming Question****Problem Statement**

Anjali is now working as a developer for the City Marathon Association, which wants to build a system to track and find the fastest runner among marathon participants.

Each runner's record has:

- Runner ID (integer)
- Runner Name (string)
- An array of times (in minutes) taken in 5 marathon events (integers)

The system must calculate:

- The average time of each runner (sum of all times / 5).
- Identify the fastest runner (the one with the lowest average time).
- If two or more runners have the same average time, the one with the lower Runner ID is considered the fastest runner.