

Java Full Stack Developer

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Source	Manikanta

Screening Test

Completed on : 22-Jan-2026 06:31 PM

#	Question	Response	Marks
1	Do you have professional experience between 1 to 5 years?	Yes	1
2	Would you be open to relocating to Hyderabad?	Yes	1
3	Are you familiar with Agile methodologies, including Scrum or Kanban?	Yes	1
4	Are you open to traveling for work when necessary, either domestically or internationally?	Yes	1
5	Will you be flexible any role in Software Engineering	Yes	1
6	Explain about yourself why you are the right candidate for this Job	video response	1
7	Have you recently completed your education and training, and there no is major Gap (more then one year after the education)	Yes	1
8	Are you, willing to work on-premises (there is no work from home)	Yes	1
9	Are you, available immediately to join us, if we hire you	Yes	1
10	if we hire you, will you be prepared to stay and work with us at least for two years	Yes	1

Overall Score : 10/10 (Promoted)

Coding Test

Completed on : 22-Jan-2026 06:43 PM

1. Question: Implement an EMI Calculator in Java. The objective is to create a program that calculates the Equated Monthly Installment (EMI) for a given loan. The EMI is calculated based on the principal loan amount, annual rate of interest, and loan tenure. Sample Input : Principal amount: 500000 Annual rate of interest: 7.5 Loan tenure: 20 Expected Output : The calculated EMI is: 3982.71

```
public class EMI_Calculator {

    // Method to calculate EMI
    public double calculateEMI(double principal, double annualRateOfInterest, int loanTenure) {
        if (principal < 0) {
            throw new IllegalArgumentException("Principal amount cannot be negative");
        }
        if (annualRateOfInterest < 0) {
            throw new IllegalArgumentException("Interest rate cannot be negative");
        }
        if (loanTenure <= 0) {
            throw new ArithmeticException("Loan tenure cannot be zero or negative");
        }

        double monthlyRate = annualRateOfInterest / (12 * 100);

        int numberOfMonths = loanTenure * 12;

        double emi = (principal * monthlyRate * Math.pow(1 + monthlyRate, numberOfMonths) / (Math.pow(1 + monthlyRate, numberOfMonths) - 1));

        //implement Your code here
        return emi;
    }

    public static void main(String[] args) {
        EMI_Calculator calculator = new EMI_Calculator();

        // Test data
        double principal = 500000;
        double annualRateOfInterest = 10;
        int loanTenure = 20;

        // Calculate EMI
        try {
            double emi = calculator.calculateEMI(principal, annualRateOfInterest, loanTenure);
            System.out.printf("The EMI for a principal of %.2f, interest rate of %.2f%%, and tenure of %d years is: %.2f\n",
                principal, annualRateOfInterest, loanTenure, emi);
        } catch (Exception e) {
            System.err.println("Error: " + e.getMessage());
        }
    }
}
```

Marks Scored : 2/2

Overall Score : 2/2 (Promoted)

Interview

Interviewed on : 23-Jan-2026 05:30 PM

Interviewd by : Balu

Interview Summary

Abstraction	3.5
Features	4.0
Exceptions	3.0
Compilation And Execution Process	2.0
Map Implementations	4.0
Average interview rating	3.3

Question wise rating:

Abstraction

Explain me with example usecase of Abstraction in Java ?	2
What is benefit of using Abstract classes?	5
Average rating	3.5

Features

Tell me about few Java8 Features that you have used ?	3
Memory management	5
Average rating	4.0

Exceptions

When to through or Catch the exceptions ?	3
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Average rating	3.0
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Compilation And Execution Process

Can you explain how compilation and execution process works in Java?	2
Average rating	2.0

Map Implementations

Can you explain how map implementations works in Java?	4
Average rating	4.0

Interviewer Remarks:

No Remarks

Interviewer's Feedback:

Interviewer	Decision	Notes
Balu	Hire	Candidate is having good skills
Sathwik	Hire	Candidate is good