

Java Freshers

Candidate-ID	0012400049
Candidate Name	RAMU Katteboina
Email	ramukatteboina17@gmail.com
Mobile	8688232197

Screening Test

Completed on : 30-Nov-2024 10:42 AM

#	Question	Response	Marks
1	Have you fully completed your education and prepared to work	Skipped	0
2	Have you taken any long term training course on Java Technologies	Skipped	0
3	Have you recently completed your education and training, and there is no major Gap (more than one year after the education)	Yes	1
4	Are you, willing to work on-premises (there is no work from home)	Yes	1
5	Can you write simple Java Programs on your own	Yes	1
6	Are you, available immediately to join us, if we hire you	Yes	1
7	Did you complete any kind of Developer Certification in Java	Skipped	0
8	Do you know how to write unit testcases using Junit	Yes	1
9	if we hire you, will you be prepared to stay and work with us at least for two years	Yes	1
10	Will you be flexible any role in Software Engineering	Yes	1
11	Explain about yourself why you are the right candidate for this Job	video response	1

Overall Score : 8/11 (Promoted)

Coding Test

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

Marks Scored : 0

```
public class EMI_Calculator {  
  
    // Method to calculate EMI  
    public double calculateEMI(double principal, double annualRateOfInterest, int loanTenure) {  
  
    }  
  
    // Main method to test the EMI calculation  
    public static void main(String[] args) {  
        // Create an instance of EMI_Calculator  
        EMI_Calculator calculator = new EMI_Calculator();  
  
        // Sample inputs  
        double principal = 500000; // Example principal amount (e.g., 5,00,000)  
        double annualRateOfInterest = 7.5; // Example annual interest rate (e.g., 7.5%)  
        int loanTenure = 20; // Example loan tenure in years (e.g., 20 years)  
  
        // Calculate EMI  
        double emi = calculator.calculateEMI(principal, annualRateOfInterest, loanTenure);  
  
        // Output the result  
        System.out.println("The calculated EMI is: " + emi);  
    }  
}
```

2. Question: Unique Words Extractor Write a program to extract all unique words from a given text. A word is defined as a sequence of alphanumeric characters separated by non-word characters (e.g., spaces, punctuation). The program should meet the following criteria: Extract words that are at least 8 characters long. Convert all words to lowercase for uniqueness. Preserve the order of their first appearance in the text. Implement the functionality in the extractUniqueWords method. The method should return a Set containing the filtered words. Sample Input : "The development of artificial intelligence is advancing rapidly. Innovative technologies are shaping the future of the world." Expected Output : Unique words with at least 8 characters: development artificial intelligence advancing innovative technologies

Marks Scored : 0

Skipped

3. Question Write a program to demonstrate most simple usage, application of design pattern prototype. Expected Output: Original: Shape[type=Circle, color=Red] Cloned: Shape[type=Circle, color=Red] After modifying cloned object: Original: Shape[type=Circle, color=Red] Cloned: Shape[type=Circle, color=Blue]

Marks Scored : 0

Skipped

Overall Score : 0/12 (Failed)