

Hadoop Administrator

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Screening Test

Completed on : 07-Dec-2024 03:14 PM

#	Question	Response	Marks
1	Do you have a bachelors degree in computer science or in the related field	Yes	1
2	Do you have working experience in Hadoop on Linux for (1 to 3 years)	Yes	1
3	Did you you ever worked with multiple teams and used various collaboration tools and methods	Yes	1
4	Do you have Hadoop Administration skills	Yes	1
5	Do you have Linux Administration & troubleshooting skills	Yes	1
6	Do you have Shell Scripting skills	Yes	1
7	Do you think you can Handle and process large datasets using Hadoop ecosystem tools such as HDFS, Hive, and Hbase.	Yes	1
8	Do you have efficient coding skills in Python programming	Yes	1
9	Are you ready to travel outside of India on the project work	Yes	1
10	Do you have a valid Passport	Yes	1

Overall Score : 10/10 (Promoted)

Coding Test

Completed on : 07-Dec-2024 03:35 PM

1. Problem: Reverse the Numbers with Printed Output Given a list of integers, your task is to reverse each integer in the list and print them, each on a new line. Input: The first line contains an integer T, the total number of integers. The next T lines each contain a single integer N. Output: For each integer N, print its reversed form on a new line. Constraints: Each integer N can be positive or negative. N will be a non-zero integer. Explanation: The first number 123 is reversed to 321. The second number -456 is reversed to -654. The third number 7890 is reversed to 987 (leading zeros are dropped in the integer conversion).

Marks Scored : 2

```
class NumberReverser:
    def reverse_numbers(self, test_cases):
        result = []
        for i in test_cases:
            if i < 0:
                result.append(-int(str(abs(i))[:-1]))
            else:
                result.append(int(str(i)[:-1]))
        return result
```

2. You are given a string s. Determine whether the characters of s can be rearranged to form a palindrome. Task: Return "YES" if it is possible to rearrange the string into a palindrome. Otherwise, return "NO". Explanation: A string can be rearranged into a palindrome if and only if: At most one character occurs an odd number of times (for strings with odd lengths). All characters occur an even number of times (for strings with even lengths). Example: Input: s="aabb" Output: "YES" Input: s="abc" Output: "NO"

Marks Scored : 4

```
class PalindromeChecker:

    def can_be_palindrome(s):
        freq = {}

        for char in s:
            if char in freq:
                freq[char] += 1
            else:
                freq[char] = 1

        odd_count = 0
        for count in freq.values():
            if count % 2 != 0:
                odd_count += 1

        if odd_count > 1:
            return 'NO'
        else:
            return 'YES'
```



Overall Score : 6/6 (Promoted)