

Hadoop Administrator

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Screening Test

Completed on : 08-Dec-2024 06:37 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)	No	0
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	No	0
6	Do you have Shell Scripting skills	No	0
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	No	0

Overall Score : 6/10 (Promoted)

Coding Test

Completed on : 09-Dec-2024 05:09 PM

1. Given an integer N . Write a program to obtain the sum of the first and last digits of this number. Example: Input : 1234 , output : 5 Input : 124894 , output : 5 Input : 242323 , output : 5

Marks Scored : 0

```
class SumOfFirstLast:
    def __init__(self, N):
        self.N = N
# Write code here
    def calculate_sum(self):
        num_str=str(abs(self.N))
        first_digit=int(num_str[0])
        last_digit=int(num_str[-1])
        return first_digit + last_digit

number1=1234
solver1=SumOfFirstLast(number1)
print(solver1.calculate_sum())

number2=124894
solver2=SumOfFirstLast(number2)
print(solver2.calculate_sum())
```

2. A space explorer's ship crashed on Mars! They send a series of SOS messages to Earth for help. Letters in some of the SOS messages are altered by cosmic radiation during transmission. Given the signal received by Earth as a string, determine how many letters of the SOS message have been changed by radiation. Example The original message was SOSSOS. Two of the message's characters were changed in transit. Function Description Complete the marsExploration function in the editor below. marsExploration has the following parameter(s): • string s: the string as received on Earth Returns • int: the number of letters changed during transmission Input Format There is one line of input: a single string, .

Marks Scored : 0

```
class SignalTransmission:
    def countAlteredCharacters(self, s):
        # Write your code here
        sos_pattern="SOS"
        altered_count =0

        for i in range(0,len(s),3):
            chunk = s[i:i+3]

            for j in range(len(chunk)):
                if chunk[j] !=sos_pattern[j]:
                    altered_count += 1
            return altered_count

        signal="SOSSOT"
        solver= SignalTransmission()
```

```
print(solver.countAlteredCharacters(signal))
```

Overall Score : 0/6 (Failed)