Data scientist assessment score

September 19, 2020

Problem Statement: Analytics Comapany conducted an assessment test to hire a Data Scientist. The candidates were evaluated on 5 different subjects A, B, C, D, and E. The marks of 5 different subjects out of 100 are given below. Help Analytics Vidhya to find out the answers of the following questions. Who scored the highest marks in the subject B? What is the average marks scored in the subject C? Who scored the highest percentage of marks? If considered only top-4 subjects of a candidate, then who scored the highest percentage of marks?

Who scored the highest marks in the subject B?

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In [2]: # declear string variable to store person name who scored highest marks in B
        highest_B = None
        # declear string variable to store highest marks in B
        highest_B_marks = 0
        print(f"List of names with marks in subject B:")
        # loop to go through each item in list and find who scored highest in B
        for item in student marks[1:]:
            print(item[0],item[1][1])
            if highest B marks < item[1][1]:</pre>
                highest_B_marks = item[1][1]
                highest_B = item[0]
            else:
                pass
        print(f"Highest scored person in subject B {highest_B, highest_B_marks}")
List of names with marks in subject B:
Ankit 34
Aravind 23
Lakshay 23
Gyan 82
```

print(f"Highest percentage of marks from {subject_number} subjects {person_scored,

person_scored = item[0]

else:

pass

Who scored the highest percentage of marks?

```
In [8]: # End index of marks list
    index_marks = len(student_marks[0][1])
    # number of subjects to find percentage
    subject_number = 5
    # find percentage
    top_percent(500, student_marks, 0, index_marks, subject_number)

List of names with percentages:
Ankit 47.6
Aravind 39.2
Lakshay 37.8
Gyan 45.0
Pranav 36.2
Highest percentage of marks from 5 subjects ('Ankit', 47.6)
If considered only top-4 subjects of a candidate, then who scored the highest percentage.
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If considered only top-4 subjects of a candidate, then who scored the highest percentage of marks?

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In [9]: # End index of marks list
    index_first_4 = len(student_marks[0][1])-1
    # number of subjects to find percentage
    subject_number = 4
    # find percentage
    top_percent(400, student_marks, 0, index_first_4, subject_number)

List of names with percentages:
Ankit 43.75
Aravind 35.75
Lakshay 30.5
Gyan 47.75
Pranav 31.25
Highest percentage of marks from 4 subjects ('Gyan', 47.75)
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