



Hands-On Prerequisite Python in AI

Exercises 05

Deadline: 2023 1 May

Score: 370

2023 24 April

Question 1 (List)

100

Based on the lists below, answer the questions

```
my_list = [2, 15, 0,"python", 4.6,"java",90, 10]
```

- 1. Print first and last items of the list**
- 2. Remove first and last items of the list**
- 3. Remove 90 and 300 from the list**
- 4. Add 5 between 15 and 0**
- 5. Edit “Js” with “python”**
- 6. Add 50 at the end of the list**
- 7. Search for 0 in the list and if it is in the list print "yes" else print "no"**

Question 2 (List)

100

Get a string in one of the following forms from the input and display the expected result.

Sample1: $2 + 3 = ?$

Output: $2 + 3 = 5$

Sample2: $2 - 3 = ?$

Output: $2 - 3 = -1$

Sample3: $2 * 3 = ?$

Output: $2 * 3 = 6$

Sample4: $5 / 2 = ?$

Output: $5 / 2 = 2.5$

Sample5: $2 / 0 = ?$

Output: $2 / 0 = \text{Error}$

Question 3 (List)

70

Based on the two lists below, make a third list that includes the data that is in the first list and not in the second list.

List1 = [12, 2, 34, 10, 4, 18, 10]

List2 = [12, 100, 10, 4, 5, 50]

Question 4 (List)

100

Display the minimum, maximum, sum, average, length, and median for the list below.

Numbers = [10, 20, 20, 12, 30, 45, 2.4, 1.5]

Thanks

Good Luck!
