



CSE303 (Section 1)
[Spring 2022]

Lab Assignment Submission Report

**Assignment Title: Lab01, Introduction to
Python Programming**

Submitted by:
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1. Code Link

<https://colab.research.google.com/drive/1wmbF27NkLrfqwp56jSbUetelvvWtCTtB?usp=sharing>

2. Screenshots

Problem 1:

```
Problem 1
ID: 2019-2-60-025

Enter first number: 500
Enter second number: 10
Sum: 510
```

Problem 2:

```
Problem 2
ID: 2019-2-60-025

Enter radius of the circle: 5.6
Area: 98.60054399999999
Perimeter: 35.185919999999996
```

Problem 3:

```
Problem 3
ID: 2019-2-60-025

Principle Amount: 10000
Interest Rate: 1.78
Time: 3
Compound Interest: 10000.05639752
```

Problem 4:

```
Problem 4
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Enter a number: 100
Sum of the Series: 338350
```

Problem 5:

```
Problem 5
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Enter a number: 5
The number is prime
```

Problem 6:

```
Problem 6
ID: 2019-2-60-025

Enter a number: 9
Fibonacci Number: 34
```

Problem 7:

```
Problem 7
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Sum of the list: 142
```

Problem 8:

```
Problem 8
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Sum of even indexed elements: 72
```

Problem 9:

```
Problem 9
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Largest Number: 59
Smallest Number: 5
```

Problem 10:

```
Problem 10
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Largest Number: 54
```

Problem 11:

```
Problem 11
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Enter a string: abcdefgh
a
c
e
g
```

Problem 12:

```
Problem 12
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Enter a string: abcdefgh
Enter the index number: 3
New string after removing characters: defgh
```

Problem 13:

```
Problem 13
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Enter a string: abcdCSE303efghCSE303fdfd
Number of CSE303 occurrences in the given string is 2
```

Problem 14:

```
Problem 14
ID: 2019-2-60-025

Enter a string: level
The string is a palindrome
```

Problem 15:

```
Problem 15
ID: 2019-2-60-025

New List: [5, 59, 10, 6]
```

3. Learning Outcomes

We have learned some basic elements and data types of python.

- **Functions:** the syntax of python functions
- **List:** ordered, changeable and allows duplicate values
- **Tuple:** ordered, unchangeable and allows duplicate values
- **Dictionary:** ordered, changeable and doesn't allow duplicate values