

Lab String

Exercise 1. Write a Python program to print the index of the character in a string. For example, if the string is "Hello", the output should be: Position 0 character is H Position 1 character is e Position 2 character is l Position 3 character is l Position 4 character is o

In [1]:

```
x=input("The word is: ")
count=0

for i in x:
    print('Position' + str(count) + " character is "+i)
    count=count+1
```

```
Position0 character is h
Position1 character is e
Position2 character is l
Position3 character is l
Position4 character is o
```

Exercise 2. Write a Python program to find the shortest and longest word in a given sentence. Example: Original Strings: Write a Java program to sort an array of given integers using Quick sort Algorithm. Shortest word: a Longest word: Algorithm.

In [2]:

```
x=input("your sentence is: ")
words = x.split(' ')

max_length = max(words, key = len)
min_length = min(words, key = len)

print(f"The longest word: {max_length}")
print(f"The shortest word: {min_length}")
```

```
The longest word: Algorithm.
The shortest word: a
```