

National University of Modern Languages

Artificial Intelligence - LAB

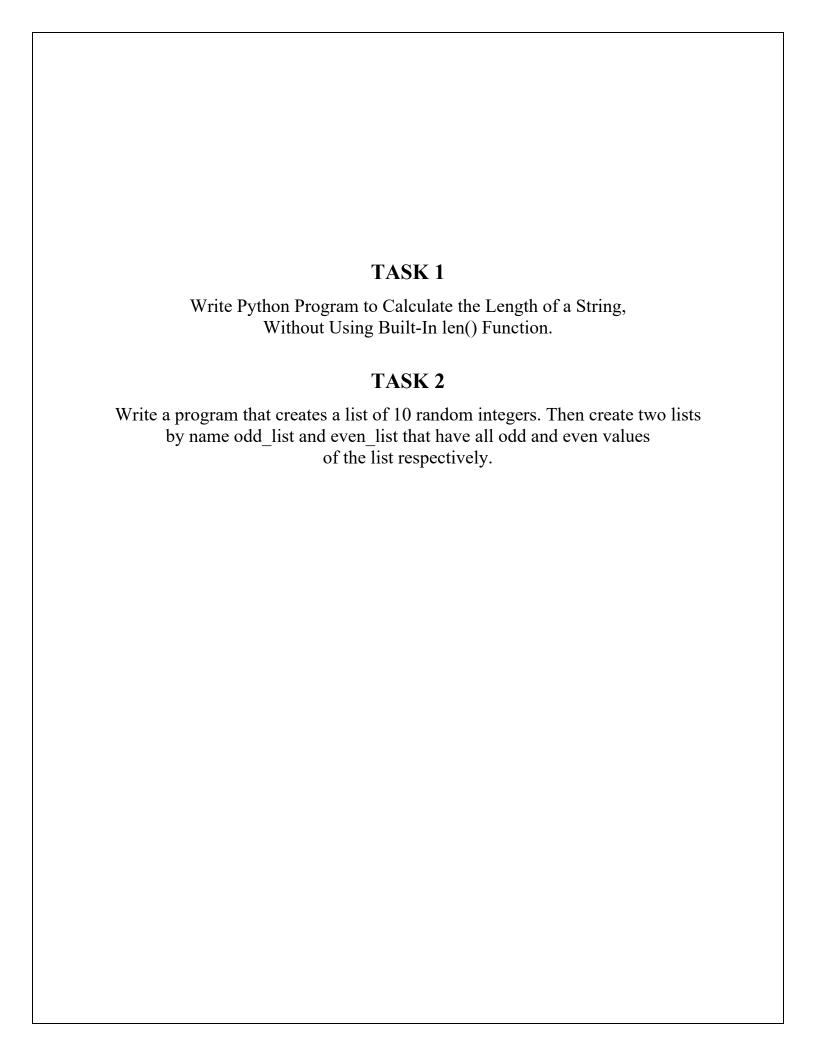
Lab # 4
BSSE 5(M)

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Submitted To:

Sir Faiq



TASK 1

Code:

```
sen = str(input("Enter your name: "))

def calc_char(sen) -> int:
    ch = 0
    for i in sen:
        ch = ch + 1
    return ch

print("Total number of characters are: ", calc_char(sen))
```

Output:

```
Task01 ×

"C:\Users\muham\PycharmProjects\Muhammad Umair_12093_Lab04\venv\Scripts\python.exe"

Enter your name: Nuhammad Umair

Total number of characters are: 14

Process finished with exit code 0

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□
```

TASK 2

Code:

```
import random
rand list = []
even list = []
odd \overline{list} = []
def input list():
  for i in range(10):
     r = random.randint(1, 100)
     rand list.append(r)
def sort list():
  for j in rand list:
     if (j \% 2) = 0:
        even list.append(j)
     else:
        odd list.append(j)
def show_list():
  print("Odd numbers are: ", odd list)
  print("Even numbers are: ", even list)
input list()
sort list()
show_list()
```

Output:

```
Task02 ×

"C:\Users\muham\PycharmProjects\Muhammad Umair_12093_Lab04\venv\Scripts\python.exe"

Odd numbers are: [67, 83, 25, 59, 41]

Even numbers are: [44, 56, 12, 76, 4]

Process finished with exit code 0
```