



## “Lab Report-01”

<b>Course Code:</b>	<b>Course Title:</b>
CSE 222	Object-Oriented Programming Lab

Lab Report Details	
Topic	: Basic Python Programming
Lab Perform Date	: 28/01/2024
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<b>Submitted To:</b>	<b>Submitted By:</b>
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### **Problem 1:**

```
print("Hello Dear")

name = input("Enter your name: ")
sid = input('Enter your Student Id: ')

print(name)

print(sid)

print("Welcome to Python")
```

### **Output:**

```
"C:\Users\HP\PycharmProjects\Lab Task 1\.venv\Scripts\python.exe" "C:\Users\HP\PycharmProjects\Lab Task 1\p1.py"
Hello Dear
Enter your name: Munna Biswas
Enter your Student Id: 221-15-5261
Munna Biswas
221-15-5261
Welcome to Python

Process finished with exit code 0
```

### **Problem 2:**

```
x = 20

y = 45

z = x + y

s = y - x

print("Sum = ", z)

print("Subtraction",s)

print("Multiplication = ",x*y)

print("Division = ",y/x)
```

### **Output:**

```
"C:\Users\HP\PycharmProjects\Lab Task 1\.venv\Scripts\python.exe" "C:\Users\HP\PycharmProjects\Lab Task 1\p2.py"
Sum = 65
Subtraction 25
Multiplication = 900
Division = 2.25

Process finished with exit code 0
```

**Problem-3:**

```
print("Enter your name: ")
x = input()
y = int(input("Enter your id: "))
print("Name: ",x)
print("SID: ",y)

if y >= 4632 and y <= 4694:
    print("Your Mentor is Taslima Ferdous Shuva\nAssistant Professor\nKT-317")
elif y>=4695 and y <= 4755:
    print("Your mentor is Md. Ali Hossain\nAssistant Professor\nKT- 728")

elif y >= 4758 and y <= 4818:
    print("Your mentor is Mohammad Monirul Islam\nAssistant Professor\nKT-733")

elif y >= 4821 and y <= 4881:
    print("Your mentor is Amatul Bushra Akhi\nAssistant Professor\nKT-737")

elif y >= 4884 and y <= 5261:
    print("Your mentor is Masuma Parvin\nAssistant Professor\nKT-805")

else:
    print("Invalid id")
```

**Output:**

```
"C:\Users\HP\PycharmProjects\Lab Task 1\.venv\Scripts\python.exe" "C:\Users\HP\PycharmProjects\Lab Task 1\p3.py"
Enter your name:
Munna Biswas
Enter your id: 5261
Name: Munna Biswas
SID: 5261
Your mentor is Masuma Parvin
Assistant Professor
KT-805

Process finished with exit code 0
```

**Problem 4:**

```
x = int(input("Press 1 for 1 to Nth positive numbers\n2 for 2 to nth even numbers\n3 for 1 to nth odd numbers\n"))
```

```
y = int(input("Enter series length: "))
```

```
if x == 1:
```

```
    for i in range(1, y+1, 1):  
        print(i)
```

```
elif x == 2:
```

```
    for i in range(2, y+1, 2):  
        print(i)
```

```
elif x == 3:
```

```
    for i in range(1, y+1, 2):  
        print(i)
```

```
else:
```

```
    print("invalid inputs")
```

**Output:**

```
"C:\Users\HP\PycharmProjects\Lab Task 1\.venv\Scripts\python.exe" "C:\Users\HP\PycharmProjects\Lab Task 1\p4.py"  
Press 1 for 1 to Nth positive numbers  
2 for 2 to nth even numbers  
3 for 1 to nth odd numbers  
2  
Enter series length: 12  
2  
4  
6  
8  
10  
12  
  
Process finished with exit code 0
```

### **Problem 5:**

```
from itertools import count
```

```
#Initial Value
```

```
x = int(input())
```

```
for i in count():
```

```
    y = input()
```

```
    z = int(input())
```

```
    if y == "+":
```

```
        x = x + z
```

```
        print(x)
```

```
    elif y == "-":
```

```
        x = x - z
```

```
        print(x)
```

```
    elif y == "*":
```

```
        x = x * z
```

```
        print(x)
```

```
    elif y == "/":
```

```
        x = x / z
```

```
        print(x)
```

```
    else:
```

```
        print("INVALID SELECTION")
```

### **Output:**

```
"C:\Users\HP\PycharmProjects\Lab Task 1\.venv\Scripts\python.exe" "C:\Users\HP\PycharmProjects\Lab Task 1\p5.py"
20
+
5
25
-
6
19
*
2
38
/
19
2.0
```