

1st YEAR PRACTICES

LAB MANUAL

Experiment:1

AIM: Write a program to take message from user and print the message.

```
msg=input("Enter a message")
print('welcome to python lab practical')
print('Your message is',msg)
```

RESULT: The output is verified by the given instruction to computer.

Input-Output	
	Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> ===== RESTART: C:\Users\PC-18\Desktop\print message from a user.py ===== Enter a messagehi i am john. welcome to python lab practical Your message is hi i am john. >>>

Experiment:2

AIM: Write a program to find largest of two numbers and display the larger / smaller number.

```
a=int(input("Enter a number"))
b=int(input("Enter another number"))
if(a>b):
    print(a,'is greater than',b)
else:
    print(b,'is greater than',a)
```

RESULT: The output is verified by the given instruction to computer.

Input-Output

```
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MS
Type "help", "copyright", "credits" or "license()" for more inf
>>>
==== RESTART: C:\Users\PC-18\Desktop\Check if a number is great
Enter a number10
Enter another number30
30 is greater than 10
>>>
===== RESTART: C:\Users\PC-1
Enter a number20
Enter another number5
20 is greater than 5
>>> |
```

Experiment:3

AIM:Write a program to Input three numbers and display the largest / smallest number.

```
a=int(input("Ener a number"))
b=int(input("Enter another number"))
c= int(input("Enter another number"))
if(a>b and a>c ):
    print('{0}is greater than{1} and {2}'.format(a,b,c))
elif(b>a and b>c) :
    print('{0}is greater than{1} and {2}'.format(b,a,c))
else:
    print('{0}is greater than{1} and {2}'.format(c,b,a))
```

RESULT: The output is verified by the given instruction to computer.

Input-Output

```
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\PC-18\Desktop\3numgreat.py =====
Enter a number10
Enter another number20
Enter another number5
20 is greater than 10 and 5
>>>
===== RESTART: C:\Users\PC-18\Desktop\3numgreat.py =====
Enter a number20
Enter another number10
Enter another number36
36 is greater than 10 and 20
>>>
===== RESTART: C:\Users\PC-18\Desktop\3numgreat.py =====
Enter a number100
Enter another number102
Enter another number136
136 is greater than 102 and 100
>>>
```

EXPERIMENT 4:

AIM: Write a program to Generate the following patterns using nested loops

Pattern 1	Pattern 2	Pattern 3
*	12345	A
**	1234	AB
***	123	ABC
****	12	ABCD
*****	1	ABCDE

1. star='*'

numberStar=int(input('enter the number of star'))

for i in range(numberStar+1):

print(star*i)

Input-Output

```
IDLE Shell 3.11.3
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4
Type "help", "copyright", "credits" or "lice
>>>
===== RESTART: C:\Users\PC-18\De
enter the number of star10

*
**
***
****
*****
*****
*****
*****
*****
*****
*****
*****
*****
*****
>>>
=====
enter the number of star5

*
**
***
****
*****
>>> |
```

2.

```
number=int(input('enter the number row'))
for i in range(number):
    for j in range(-5+i,-0):
        print(-1*j,end="")
    print()
```

```
Input-Output

enter the number row5
54321
4321
321
21
1

>>>

enter the number row5
54321
4321
321
21
1

>>>
```

3.

```
n = int(input("Enter the number of lines: "))
for i in range(1, n + 1):
    line = ""
    for j in range(i):
        line += chr(ord('A') + j)
    print(line)
```

```
Input-Output

PS C:\Users\Admin\Desktop> py .\sampleText.py
Enter the number of lines: 5
A
AB
ABC
ABCD
ABCDE
```

RESULT: The output is verified by the given instruction to computer.