

Name : Junaid Ahmed

ID: BIT-23F-030

Section: "A"

Lab : 02

Subject: Artificial Intelligence

Program: BS-IT

## Task 01: Make program to see if value is true or false.

Code :

```
a=1
b=2
sum=a+b
✓ if sum==3:
    | check=True
✓ else:
    | check=False

print("value: ",check)
```

Result:

```
value: True
```

## Task 02: Make a calculator using the operands in the class

Code :

```
num1= float(input("Enter first number: "))
operation= input("Enter operation (+,-,*,/): ")
num2 = float(input("Enter second number: "))

if operation == "+":
    result= num1 + num2
elif operation=="-":
    result = num1 - num2
elif operation=="*":
    result = num1 * num2
elif operation=="/":
    if num2!= 10:
        result= num1/num2
    else:
        result = "Cannot divide by zero"
else:
    result = "Invalid operation"
print("Result:", result)
```

Result:

```
Hello, World!
Hello, World!
This is a
multi-line string.
This is another
multi-line string.
```

## Task 03: Make a calculator using the operands in the class

Code :

```
string1 = 'Hello, World!'

string2 = "Hello, World!"

string3 = '''This is a
multi-line string.'''

string4 = """This is another
multi-line string."""

print(string1)
print(string2)
print(string3)
print(string4)
```

Result:

```
Hello, World!
Hello, World!
This is a
multi-line string.
This is another
multi-line string.
```