**Riphah International University**

**Artificial Intelligence (AI)**

**Lab 0**

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**Section:** BSCS-5A

**Submitted To:** Mahjabeen

**Riphah School of Computing & Innovation Faculty of Computing Riphah International University, Lahore 2023**

**Lab**

#1

result=2+3-5\*7/3

print(str(result)+" Arithmetic operations")

-6.666666666666666 Arithmetic operations

#2

test="abc"

test1="abc"

length=len(test)\*'abc'+'def'

#print(length+"\n")

#print(test[0])

#print(test==test1)

#print(test[2:3])

#print("b" in test)

True

#3

Name="Muhammad\_Qasim"

Sap=37137

inp=input("Enter Dept.\n")

print(Name + " " + str(Sap) + " " + inp)

Enter Dept.

CS

Muhammad\_Qasim 37137 CS

#4

value=3.534

new\_val=round(value)

print(new\_val)

4

#5

a = 5

b = 2

result\_1 = (a \*\* 2) + (b \* 3) - (4 / 2)

name = "Qasim"

age = 21

greet\_message = "Hello, " + name + "! You are " + str(age) + " years old."

import math

radius = 4

area\_of\_circle = 3.14 \* (radius \*\* 2)

length = 6

width = 8

perimeter\_of\_rectangle = 2 \* (length + width)

def square(num):

    return num \*\* 2

number = 7

result\_5 = square(number) + square(number + 1)

# Print results

print("Result 1:", result\_1)

print("Greet Message:", greet\_message)

print("Area of Circle:", area\_of\_circle)

print("Perimeter of Rectangle:", perimeter\_of\_rectangle)

print("Result 5:", result\_5)

Result 1: 29.0

Greet Message: Hello, Qasim! You are 21 years old.

Area of Circle: 50.24

Perimeter of Rectangle: 28

Result 5: 113

#6

result=90+90

print(str(result)+" Arithmetic operation")

180 Arithmetic operations

#7

Name="Qasim"

Sap=37137

inp=input("Enter Dept.\n")

print(Name + " " + str(Sap) + " " + inp)

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#8

result=90+90

print(result+" Arithmetic operation") #error

bool check #error

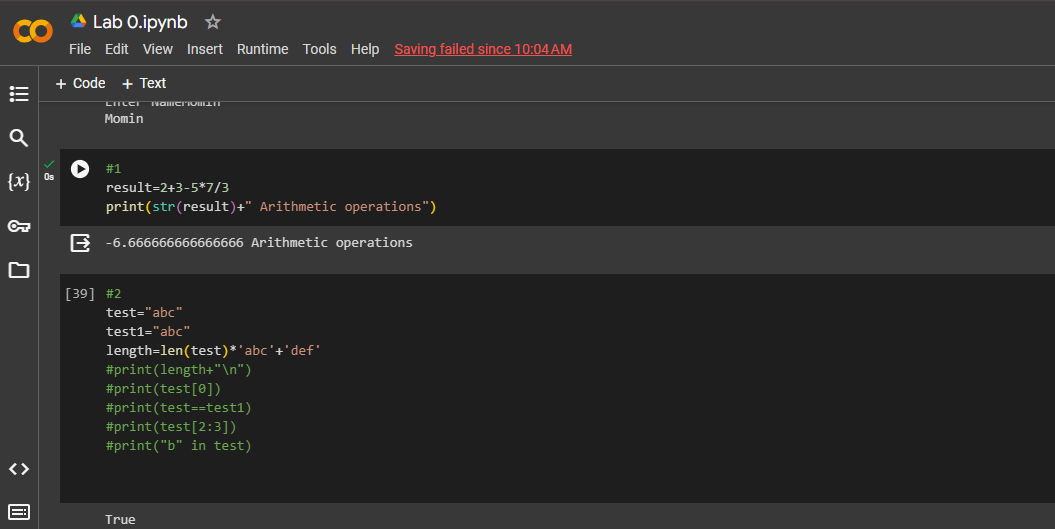
if result!=180:

  check=False

else:

  True

File ["<ipython-input-57-c81b3e8f2e71>"](https://localhost:8080/), line 4 bool check #error ^ SyntaxError: invalid syntax

A screenshot of a computer

Description automatically generatedA black screen with a black background

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