1. **Write a Python program to convert kilometers to miles?**

Ans:

def convert\_km\_to\_mi(kms):

return 0.621371 \* kms

convert\_km\_to\_mi(100) 🡪 62.137100

1. **Write a Python program to convert Celsius to Fahrenheit?**

Ans:

def cel\_to\_fer(cel):

return (((9\*cel) /5) + 32)

cel\_to\_fer(100) 🡪 212.0

1. **Write a Python program to display calendar?**

Ans:

import calendar

yy = 2022 # year

mm = 5 # month

print(calendar.month(yy, mm))

May 2022

Mo Tu We Th Fr Sa Su

1

2 3 4 5 6 7 8

9 10 11 12 13 14 15

16 17 18 19 20 21 22

23 24 25 26 27 28 29

30 31

1. **Write a Python program to solve quadratic equation?**

Ans:

import cmath

def quadratic\_solve(a, b, c):

d = (b\*\*2) - (4\*a\*c)

sol1 = (-b-cmath.sqrt(d))/(2\*a)

sol2 = (-b+cmath.sqrt(d))/(2\*a)

return sol1, sol2

quadratic\_solve(1, 2, 5) 🡪 ((-1-2j), (-1+2j))

1. Write a Python program to swap two variables without temp variable?

Ans:

def swap\_variable(var1, var2):

var1 = var1 + var2

var2 = var1 - var2

var1 = var1 - var2

return var1, var2

swap\_variable(10,15) (15, 10)