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

def kilometers\_to\_miles(kilometers):

conversion\_factor = 0.621371

miles = kilometers \* conversion\_factor

return miles

# Example usage

km = 10 # You can change this value to any number of kilometers

miles = kilometers\_to\_miles(km)

print(f"{km} kilometers is equal to {miles} miles")

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

def celsius\_to\_fahrenheit(celsius):

fahrenheit = (celsius \* 9/5) + 32

return fahrenheit

# Example usage

celsius\_temp = 25 # You can change this value to any temperature in Celsius

fahrenheit\_temp = celsius\_to\_fahrenheit(celsius\_temp)

print(f"{celsius\_temp}°C is equal to {fahrenheit\_temp}°F")

1. Write a Python program to display calendar?

import calendar

def display\_calendar(year, month):

# Create a text calendar

cal = calendar.TextCalendar(calendar.SUNDAY)

# Format the calendar for the specified month and year

calendar\_str = cal.formatmonth(year, month)

print(calendar\_str)

# Example usage

year = 2023 # Change this to the desired year

month = 2 # Change this to the desired month (1-12)

display\_calendar(year, month)

1. Write a Python program to solve quadratic equation?

import math

def solve\_quadratic(a, b, c):

# Calculate the discriminant

discriminant = b\*\*2 - 4\*a\*c

if discriminant > 0:

# Two real and distinct roots

root1 = (-b + math.sqrt(discriminant)) / (2\*a)

root2 = (-b - math.sqrt(discriminant)) / (2\*a)

return root1, root2

elif discriminant == 0:

# One real and repeated root

root = -b / (2\*a)

return root,

else:

# No real roots

real\_part = -b / (2\*a)

imaginary\_part = math.sqrt(-discriminant) /

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

# Swapping using arithmetic operations

a = 5

b = 10

print(f"Before swapping: a = {a}, b = {b}")

# Swap

a = a + b

b = a - b

a = a - b

print(f"After swapping: a = {a}, b = {b}")