1. Write a Python program to convert kilometers to miles?
2. Write a Python program to convert Celsius to Fahrenheit?
3. Write a Python program to display calendar?
4. Write a Python program to solve quadratic equation?
5. Write a Python program to swap two variables without temp variable?

Answer:

1. Convert kilometers to miles:

```python

kilometers = float(input("Enter the distance in kilometers: "))

# Conversion factor

conversion\_factor = 0.621371

# Convert kilometers to miles

miles = kilometers \* conversion\_factor

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

```

2. Convert Celsius to Fahrenheit:

```python

celsius = float(input("Enter temperature in Celsius: "))

# Convert Celsius to Fahrenheit

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

print(f"{celsius} degrees Celsius is equal to {fahrenheit} degrees Fahrenheit.")

```

3. Display calendar:

```python

import calendar

year = int(input("Enter the year: "))

month = int(input("Enter the month: "))

print(calendar.month(year, month))

```

4. Solve quadratic equation:

```python

import cmath

a = float(input("Enter coefficient a: "))

b = float(input("Enter coefficient b: "))

c = float(input("Enter coefficient c: "))

# Calculate discriminant

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

# Find two solutions

solution1 = (-b - cmath.sqrt(discriminant)) / (2\*a)

solution2 = (-b + cmath.sqrt(discriminant)) / (2\*a)

print("The solutions are {0} and {1}".format(solution1, solution2))

```

5. Swap two variables without a temporary variable:

```python

a = input("Enter the value of variable a: ")

b = input("Enter the value of variable b: ")

print("Before swapping: a =", a, "and b =", b)

a, b = b, a

print("After swapping: a =", a, "and b =", b)

```

These programs should accomplish the tasks you mentioned. Let me know if you need any further assistance!