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1. Write a Python program to convert kilometres to miles?
   # Taking kilometers input from the user
   kilometers = float(input("Enter value in kilometers: "))
   # conversion factor
   conv_fac = 0.621371
   # calculate miles
   miles = kilometers * conv_fac
   print('%0.2f kilometers is equal to %0.2f miles' %(kilometers, miles))
2. Write a Python program to convert Celsius to Fahrenheit?
   # Python Program to convert temperature in celsius to fahrenheit
   # change this value for a different result
   celsius = 37.5
   # calculate fahrenheit
   fahrenheit = (celsius * 1.8) + 32
   print('%0.1f degree Celsius is equal to %0.1f degree Fahrenheit' %(celsius,fahrenheit))
3. Write a Python program to display calendar?
   # Program to display calendar of the given month and year
   # importing calendar module
   import calendar
   yy = 2014 # year
   mm = 11 # month
   # To take month and year input from the user
   # yy = int(input("Enter year: "))
   # mm = int(input("Enter month: "))
   # display the calendar
   print(calendar.month(yy, mm))
4. Write a Python program to solve quadratic equation?
   # Solve the quadratic equation ax^**2 + bx + c = 0
   # import complex math module
   import cmath
   a = 1
   b = 5
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c = 6

# calculate the discriminant
d = (b**2) - (4*a*c)

# find two solutions
sol1 = (-b-cmath.sqrt(d))/(2*a)
sol2 = (-b+cmath.sqrt(d))/(2*a)

print('The solution are {0} and {1}'.format(sol1,sol2))
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print("Value of x:", x, " and y:", y)

Write a Python program to swap two variables without temp variable?
 x = 5
 y = 7
 print ("Before swapping: ")
 print("Value of x : ", x, " and y : ", y)
 # code to swap 'x' and 'y'
 x, y = y, x
 print ("After swapping: ")