1. Ans.

kilometers = float(input("Enter value in kilometers: "))

conv\_ratio = 0.621371

miles = kilometers \* conv\_fac

print('%0.2f kilometers is equal to %0.2f miles' %(kilometers,miles))

2. Ans.

celsius = integer(input("Please enter the celsius value"))

fahrenheit = (celsius \* 1.8) + 32

print(str(celsius )+ " degree Celsius is equal to " + str(fahrenheit )+ " degree Fahrenheit.")

3. Ans.

import calendar

yy = 2014 # year

mm = 11 # month

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

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

print(calendar.month(yy, mm))

4. Ans.

import cmath

a = 1

b = 5

c = 6

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

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

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

print('The solution are {0} and {1}'.format(sol1,sol2))

5 Ans.

x = 5

y = 7

print ("Before swapping: ")

print("Value of x : ", x, " and y : ", y)

x, y = y, x

print ("After swapping: ")

print("Value of x : ", x, " and y : ", y)