

**1. Write a Python program to find out what version of Python you are using.**

**2. Write a Python program to display the current date and time.**

Sample Output :

Current date and time :

2023-12-15 14:34:14

**3. Write a Python program that calculates the area of a circle based on the radius entered by the user.**

Sample Output :

r = 1.1

Area = 3.8013271108436504

**4. Write a Python program that accepts a sequence of comma-separated numbers from the user and generates a list and a tuple of those numbers.**

Sample data : 3, 5, 7, 23

Output :

List : ['3', '5', '7', '23']

Tuple : ('3', '5', '7', '23')

**5. Write a Python program to display the first and last colors from the following list.**

color\_list = ["Red", "Green", "White", "Black"]

**6. Write a Python program to calculate the number of days between two dates.**

Sample dates : (2023, 7, 2), (2023, 7, 11)

Expected output : 9 days

**7. Write a Python program to test whether a number is within 100 of 1000 or 2000.**

**8. Write a Python program that checks whether a specified value is contained within a group of values.**

Test Data :

3 -> [1, 5, 8, 3] : True

-1 -> [1, 5, 8, 3] : False

**9. Write a Python program to filter positive numbers from a list.**

**10 . Create a child class Bus that will inherit all of the variables and methods of the Vehicle class  
(Attributes: name, max\_speed, mileage)**