**Programs**

1. Store a person’s name in a variable, and print a message to that person .  
Your message should be simple, such as, “Hello Eric, would you like to learn some Python today?”

2. Store a person’s name in a variable, and then print that person’s name in lowercase, uppercase, and title case.

3. Print the following quote and the name of its author .Your output should look something like the following, including the quotation marks: Albert Einstein once said, “A person who never made a mistake never tried anything new.”

4. Write a Program Which gets first and last name from user and prints its full name in Title case.

5. Write a Python program to print the following string in a specific format (see the output).

Sample String : "Twinkle, twinkle, little star, How I wonder what you are! Up above the world so high, Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder what you are" Output :

Twinkle, twinkle, little star,

How I wonder what you are!

Up above the world so high,

Like a diamond in the sky.

Twinkle, twinkle, little star,

How I wonder what you are

6.Write a Python program to get the Python version you are using.

7.Write a Python program to display the current date and time.  
Sample Output :  
Current date and time :   
2017-07-05 14:34:14

8. Write a Python program which accepts the radius of a circle from the user and compute the area.

Sample Output :  
r = 1.1  
Area = 3.8013271108436504

9. Write a Python program which accepts the user's first and last name and print them in reverse order with a space between them.

10. Write a Python program which accepts a sequence of comma-separated numbers from user and generate a list and a tuple with those numbers.  
Sample data :3, 5, 7, 23  
Output :  
List : ['3', ' 5', ' 7', ' 23']   
Tuple : ('3', ' 5', ' 7', ' 23')

11. Write a Python program that accepts an integer (n) and computes the value of n+nn+nnn.

Sample value of n is5Expected Result:615

12. Write a Python program to calculate number of days between two dates.  
Sample dates : (2017, 7, 2), (2017, 7, 11)  
Expected output: 9 days

13. Write a Python program to get the volume of a sphere with radius 6.

14. Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.

15. Write a Python program to test whether a passed letter is a vowel or not.

16. Write a Python program that will accept the base and height of a triangle and compute the area.

17. Write a Python program to compute the greatest common divisor (GCD) of two positive integers.

18. Write a Python program to get the least common multiple (LCM) of two positive integers.

19. Write a Python program to solve (x + y) \* (x + y).    
Test Data : x = 4, y = 3  
Expected Output : (4 + 3) ^ 2) = 49

20. Write a Python program to compute the distance between the points (x1, y1) and (x2, y2).

21. Write a Python program to convert height (in feet and inches) to centimeters.

22.Write a Python program to calculate the hypotenuse of a right angled triangle.

23. Write a Python program to convert the distance (in feet) to inches, yards, and miles.

24.Write a Python program to calculate body mass index.

25. Write a Python program to swap two variables.

26. write a program to generate a Marksheet.