

**NATIONAL PUBLIC SCHOOL
HSR, BENGALURU**

Worksheet No. : NPSHSR/2022-23-S1/LAB ASSIGN/GR11/Computer Science/LA01

Topic: Introduction to Python

1. Write a Python program which accepts the radius of a circle from the user and compute the area.
4. Write a Python program to convert height (in feet and inches) to centimeters.
2. Convert Temperature in $CT() = T(^{\circ}C) \times 1.8 + 32$
3. 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
4. Write a Python program to convert height (in feet and inches) to centimeters.
5. Write a Python program to print a variable without spaces between values.
Sample value : $x = 30$
Expected output : Value of x is "30"
6. Write a program to print "Welcome to NPS" and wait for the user to press the enter key and then print "Good morning 11B"
7. Write a program to read a number(n) and print n^2, n^3, n^4
8. Write a program with maximum 3 lines of code and that assigns first 5 multiples of a number to 5 variables and then print them.
9. Write a program to read details like name, class, age of a student and then print the details firstly in the same line and then in separate lines. Make sure to have 2 blank lines in between these 2 different types of print.
10. Write a program to input a single digit(n) and print a 3 digit number created as $\langle n(n+1)(n+2) \rangle$ e.g. if you put input 7, then it should print 789. Assume that the input digit is in range 1-7.