Practice Sheet – 1

1. Install Python version 3.7+ on your system and make sure you set python path to your system path variable

2. Perform Following on Python Shell Window

   5**9

   3//2

   7//3

   7/3

   6 == 6

   a = 20; a+= 30; a%=3; print(a)

   True * False

   True & False

   True and False

   ((6>3) and (7<4) or (18==3)) and (9>3)

   True is False

   False in 'False'

   ((True == False) or (False > True)) and (False <= True)

3. Try to get following output from two python strings
   s1 = "Nice to have it"
   s2 = "here"

   Expected output
   Nice to have it here

4. Given this nested list, use indexing to grab the word "hello"
   a = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]

5. Try to insert above strings s1 and s2 in the list 'a' mentioned in que 4, in the beginning and end of it respectively

6. Write a Python program to print out a set containing all the colours from color_list_1 which are not present in color_list_2.

Test Data:
color_list_1 = set(["White", "Black", "Red"])
color_list_2 = set(["Red", "Green"])
Expected Output:
{'Black', 'White'}

7. WAP to find if the given input string is Pangram or not

8. Write a Python program that accepts an integer (n) and computes the value of n+nn+nnn.
Sample value of n is 5
Expected Result: 615

9. Write a program that accepts a comma separated sequence of words as input and prints the words in a comma-separated sequence after sorting them alphabetically.
Suppose the following input is supplied to the program:
without,hello,bag,world
Then, the output should be:
bag,hello,without,world

10. Write a Python function to find the name of person obtained highest marks in exam from given dictionary
Example dictionary
d = {‘Student’: [‘Rahul’, ‘Kishore’, ‘Vidhya’, ‘Raakhi’], ‘Marks’: [57,87,67,79]}
Output: Kishore