

# PYTHON WORKSHEET - WORKSHEET 4

# Q1 to Q8 have only one correct answer. Choose the correct option to answer your question.

1. Which of the following function is used to determine the length of a string in python? A) length() B) len() C) strlen() C) stringlen() 2. Python is? A) compiled B) interpreted C) compiled then interpreted D) none of these 3. What will be the output of the following? a = [1,2,3,2,1]a.pop(2)print(a) A) [1,3,2,1] B) [1,2,2,1] C) [1,2,3,1] D) [1,3,1] 4. If alist = [10,20,30,40,50,60], then alist [::-3] = ?A) [40,30,20,10] B) [30,20,10] C) [60,30,10] D) [60,30] 5. Which of the following will give the reverse of list 'a': A) a[-1:0] B) a[-1:-4] D) a[0:-1:-1] C) a[::-1] 6. If a = True, b = False and c = True. Then what will be the output of following code: if not a or b: FLIP ROBO print("Eena") elif not a or not b and c: print("Meena") elif not a or b or not b and a: print("Deeka") print("Domniqaa") A) Eeena B) Meena C) Deeka D) Domniqaa 7. What is the output of the following? print([x+y for y in ["Hello", "Adios"] for x in ["World", "Python"]]) A) ["Hello World", "Hello Python", "Adios World", "Adios Python"] B) ["Hello World", "Adios World", "Hello Python", "Adios Python"] C) ["World Hello", "Python Hello", "World Adios", "Python Adios"] D) ["World Hello", "World Adios", "Python Hello", "Python Adios"] 8. Str1 = "Hello Python". What will be the output of : print(str1.find('o')) A) 4 B) 4,10 C) 5,11D) 5

## Q9 and Q10 have multiple correct answers. Choose all the correct options to answer your question.

9. Which of the following is(are) correct method(s) to join two lists 11 and 12?

A) 11+12

B) 11.append(12)

C) append(11,12)

D) 11.extend(12)



10. s = "pyworld". Select all of the following which give same results?

A) s[0]+s[-1] B) s[::-1][-1] + s[len(s)-1]

C) s[::-6] D) s[::-1][::-6]

### Q11 to Q13 are subjective questions, answer them briefly

- 11. Differentiate between a compiler and an interpreter? Which of them is used in python language?
- 12. What is the purpose of PYTHONPATH environment variable?
- 13. How will you remove all the leading and trailing whitespaces in a string in python? Give one example.

### Q14 and Q15 are programming questions. Answer them in Jupyter Notebook.

14. Write a python program to represent a user entered number in expanded form.

For eg: user\_input = 12345

Output = 1\*10000 + 2\*1000 + 3\*100 + 4\*10 + 5\*1

15. Write a python program to determine whether the number entered by the user is an Armstrong number or not?

