

IEC College of Engineering and Technology, Greater Noida
Department of CSE/IT
Even Sem., Session 2022-23
Assignment-1

Submission Date: DD/MM/YY

Subject Name with Code: Python Programming (KNC-402)

Note- Attempt all questions

1. What do you mean by Python IDE? Explain in detail.
2. Explain why python is considered an interpreted language.
3. What type of language is python?
4. What are local variable and global variable in Python?
5. What is Python? How Python is interpreted? What are the tools that help to find bugs or perform static analysis? What are Python decorators?
6. Write short notes with example: The Programming Cycle for Python, Elements of Python, Type Conversion in Python, Operator Precedence, and Boolean Expression.
7. How Memory is managed in Python? Explain PEP 8. Write a Python program to print even length words in a string.
8. Which of the following statements produce an error in Python?
x, y, z = 1,2,3 # s1
a, b = 4,5,6 # s2
u = 7,8,9 # s3
(List all the statements that have error.)
9. Explain the role of precedence with an example.
10. Consider the program:
x = ['12', 'hello', 456]
x[0] *= 3
x[1][1] = 'bye'
Explain why this program generates an error.
11. What is short circuit evaluation? What is printed by the following Python program?
a = 0
b = 2
c = 3
x = c or a
print(x)
12. Discuss why Python is called as dynamic and strongly typed language?
13. What do you mean by operator precedence and associativity? Explain.
14. Write Python program to swap two numbers without using Intermediate/Temporary variables. Prompt the user for input.