



PYTHON – WORKSHEET 1

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

1.	U 1	rators is used to calculate remainder in a division?
	A) # B) & C) %	D) \$
Ans	wer: C) %	2)4
2.	In python 2//3 is equal to?	
	A) 0.666 B) 0 C) 1	D) 0.67
Aı	nswer: B) 0	
3.	In python, 6<<2 is equal to	
	A) 36 B) 10	
	C) 24	D) 45
A	answer: C) 24	
4.	In python, 6&2 will give wh A) 2 B) True	nich of the following as output?
	C) False	D) 0
A	answer: A) 2	
5.	In python, 6 2 will give whi A) 2 B) 4	ch of the following as output?
	C) 0	D) 6
A	Answer: D) 6	2) 0
6	What does the finally leaves	and denotes in mython 2 A) It is used to month the and of the code
0.		ord denotes in python? A) It is used to mark the end of the code ode which will be executed if any error occurs while executing the lines of code in
	•	executed no matter if the try block raises an error or not.
$\mathbf{A}_{\mathbf{I}}$	nswer: C) The finally b	block will be executed no matter if the try block raises an error or
not.		
Explana	ation: The finally block	is always executed, regardless of whether an exception was
raised in	n the try block or not.	
7. What does raise keyword is used for in python?		
	A) It is used to raise an exce	
	C) it's not a keyword in pyth	
	Answer: A) It is used to	·
Explana	ation: The raise keywoi	d is used to manually raise an exception in Python.

- 8. which of the following is a common use case of yield keyword in python?
 - A) in defining an iterator
- B) while defining a lambda function
- C) in defining a generator

D) in for loop.

Answer: C) In defining a generator

Explanation: The yield keyword is commonly used in Python to define a generator, which returns an iterable set of items one at a time instead of returning them all at once.

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

- 9. Which of the following are the valid variable names?
 - A) abc
- B) labc
- C) abc2

D) None of the above

Answer: A) abc and C) abc2

Explanation: In Python, valid variable names must start with a letter (a-z, A-Z) or an underscore (), but they cannot start with a number. Therefore, _abc and abc2 are valid, but 1abc is not because it starts with a number.

- 10. Which of the following are the keywords in python?
 - A) yield
- B) raise
- C) look-in

D) all of the above

Answer: A) yield and B) raise

Explanation: Both yield and raise are Python keywords. yield is used in generator functions, and raise is used to raise exceptions. look-in is not a Python keyword.

Q11 to Q15 are programming questions. Answer them in Jupyter Notebook.

- 11. Write a python program to find the factorial of a number.
- 12. Write a python program to find whether a number is prime or composite.
- 13. Write a python program to check whether a given string is palindrome or not.
- 14. Write a Python program to get the third side of right-angled triangle from two given sides.
- 15. Write a python program to print the frequency of each of the characters present in a given string.