Python worksheet

1. Which of the following operators is used to calculate remainder in a division?

A) #   B) &

C) %   D) $

ANS - %(Modulo) is used to calculate remainder in a division.

2. In python 2//3 is equal to?

A) 0.666   B) 0

C) 1   D) 0.67

ANS – B) 0 (// - floor division returns only integer value)

3. In python, 6<<2 is equal to?

A) 36   B) 10

C) 24   D) 45

ANS – C) 24 (6 is written as 0110 when we perform two times left shift operator it means value will increase by two digit so new value is 011000 and this is representation of 24)

4. In python, 6&2 will give which of the following as output?

A) 2   B) True

C) False   D) 0

ANS – A) 2 (6 is written as 0110 and 2 is written as 0010 when we perform bitwise & operator it returns True(1) if both the values are True otherwise it returns False(0) , so we have 0010 as output , which is representation of 2)

5. In python, 6|2 will give which of the following as output?

A) 2   B) 4

C) 0   D) 6

ANS – A) 6 (6 is written as 0110 and 2 is written as 0010 when we perform bitwise | operator it returns True(1) if either one of them is True , it returns False(0) only if both value are false , so we have 0010 as output , which is representation of 6)

6. What does the finally keyword denotes in python?

A) It is used to mark the end of the code

B) It encloses the lines of code which will be executed if any error occurs while executing the lines of code in the try block.

C) the finally block will be executed no matter if the try block raises an error or not.

D) None of the above

ANS – option C (the finally block will be executed no matter if the try block raises an error or not.)

7. What does raise keyword is used for in python?

A) It is used to raise an exception. B) It is used to define lambda function

C) it's not a keyword in python.   D) None of the above

ANS – option A (It is used to raise an exception)

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.

ANS – option C (in defining a generator)

9. Which of the following are the valid variable names?

A) _abc   B) 1abc

C) abc2   D) None of the above

ANS – option A and C both are correct.

10. Which of the following are the keywords in python?

A) yield   B) raise

C) look-in   D) all of the above

ANS - option A and B both are correct .