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Project: Batch DS2307

PFA Worksheet Set 1

Python.

Q1. Which of the following operators is used to calculate remainder in a division?

- A) #
- B) &
- C) %**
- D) \$

Answer is C

Modulo (%) is the remainder we get after dividing one number by another.

Q2. In python $2//3$ is equal to?

- A) 0.666
- B) 0**
- C) 1
- D) 0.67

Answer is B

Floor division(//) rounds the result to the nearest whole number or integer, less than or equal to the normal division result.

Q3. In python, $6<<2$ is equal to?

- A) 36
- B) 10
- C) 24**
- D) 45

Answer is C

This is a bitwise operator that shifts each bit to the left.

Q4. In python, $6\&2$ will give which of the following as output?

- A) 2**
- B) True
- C) False
- D) 0

Answer is A

This bitwise operator(& Binary AND) sets each bit to 1 if both bits are 1. The result of applying the AND operator on element "6" is $6\&2 = 2$.

Q5. In python, $6|2$ will give which of the following as output?

- A) 2
- B) 4
- C) 0
- D) 6

Answer is D

This bitwise operator(| Binary OR) sets each bit to 1 if one of two bits is 1. The result of applying the OR operator on element "6" is $6|2 = 6$.

Q6. 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

Answer is C

No matter what happens in the try- and except blocks, the finally block allows you to execute code.

Q7. 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

Answer is A

When a condition is met or the code encounters an error, the raise keyword raises a specific exception.

Q8. 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 is C

Python's yield keyword regulates how a generator function flow.

Q9. Which of the following are the valid variable names?

- A) _abc
- B) 1abc
- C) abc2

D) None of the above

Answer is A and C

A variable name must begin with a letter or the underscore symbol. A variable name cannot start with a numeric character.

Q10. Which of the following are the keywords in python?

A) yield

B) raise

C) look-in

D) all of the above

Answer is A and B