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PYTHON WORKSHEET-1

Solutions

1. C) % (Modulo operator)

The modulo operator (%) is used to calculate the remainder in a division operation.

2. B) 0

Operator performs floor division, which means it returns the largest integer that is less than or equal to the division result.

3. C) 24

<< operator is the left shift operator. $6 \ll 2$ means shifting the bits of the binary representation of 6 two positions to the left.

4. A) 2

The binary representation of 6 = 110
The binary representation of 2 = 010
Therefore, $110 \& 010 = 010$ which is 2

5. D) 6

The | operator is the bitwise OR operator. When you use $6 | 2$, it performs a bitwise OR operation on the binary representations of the numbers 6 and 2.

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

It is commonly used to perform cleanup operations, such as closing files or releasing resources, ensuring that certain code is executed regardless of whether an exception occurs or not.

7. A) It is used to raise an exception.

In Python, the raise keyword is used to explicitly raise an exception.

8. C) In defining a generator

The yield keyword in Python is commonly used in defining a generator. It allows a function to yield a sequence of values instead of returning a single value.

9. A) `_abc` and C) `abc2`

In python variable can start with a letter (uppercase or lowercase) or an underscore (`_`). The remaining characters can be letters, numbers, or underscores.

10. B) `raise` A) `yield`

"raise" and "yield" are both keywords in Python. However, "look-in" is not a keyword in Python.