1. Option A

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2. Option D

Sol: Rules for creating variables in Python:

- A variable name must start with a letter or the underscore character.
- A variable name cannot start with a number.
- A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and _ ).
- Variable names are case-sensitive (name, Name and NAME are three different variables).
- The reserved words(keywords) cannot be used naming the variable.

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3. Option A

Sol: - It will print number indefinitely because number is always greater than 5. Therefore, it does not enter into if loop

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4. Option B

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5. Option C

Sol: Multiple errors

a. Indentation error
b. I++ is not allowed
c. Syntax error

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6. False False True False

Sol:

Assume T = True, F = False

a. Not(T or F) = Not(T) = False
b. Not(T or T) = Not(T) = False
c. Not(F or F) = Not(F) = True
d. Not(F or T) = Not(T) = False

7. Option C

Sol:

4 + 5 != 10.

So if loop will be skipped and remaining part False True will get executed

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8. Option D

Sol: ** - Power

// - Quotient

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9. Option D

Sol: Class is user defined data type

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10. Option A

N is always greater than 0 so while loop will run indefinitely

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