

SECTION - A

A. Fill in the blanks.

1. The order in which the operators are evaluated is called control of operators.
2. The valid combination of both operands and operators makes an expression, which returns a computed result.
3. '+' operator is used to concatenate or join two or more strings.

In Python, the flow of execution is altered by the use of colon statements.

The precedence control structure is used when either of the two different actions is to be performed depending upon the result of the conditional expression.

In Python, the conditional statement is terminated with a if else symbol.

TS

• '+'

•

if else

•

Precedence

•

Colon

•

Control

•

Expressio

State True or False.

operator does not need any operand to perform any operations.

ary operators can be used on more than three operands.

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- TS**
- '+'
 - if else
 - Precedence
 - Colon
 - Control
 - Expression

State True or False.

- The unary operator does not need any operand to perform any operations.
- Binary operators can be used on more than three operands.
- Exponential operator is used to calculate the power of numbers.
- Higher precedence operators are operated before the lower precedence operators.
- 'if else' statements are used when we have to evaluate only one condition.
- Loop statements enable the execution of a set of statements to repeat till the condition is true.

Application-based questions.

Mr. X is converting a decimal number to a binary number. He needs to calculate the remainder in each step. Which operator do you suggest him to use for this task?

Mr. Y is a businessman. He wants to determine whether he made a profit or loss based on the revenue. Suggest an appropriate conditional construct he can use to solve the problem.

T
T
F
T
F
F

// (floor division) is same as / (division).

a. True

b. False

In which construct the statements in a program are executed in a sequential manner followed by one after the other with no possibility of branching off to another action.

a. Conditional

b. Sequential

c. In some cases, yes

d. None of these

Which statement among the following enables the execution of a statement to repeat till the condition is true.

a. Conditional

b. Sequential

c. Iterative

d. None of these

If in a conditional expression, the condition evaluates to false, then which block of statements will be executed first?

a. else

b. if

c. both a and b

d. None of these

E. Name the following.

1. Two types of arithmetic operators

2. Three types of logical operators

3. Two operators used in strings

The statement which is used to evaluate only one condition

The procedure to write the steps of a program in a well defined way

Answer the following questions briefly.

What do you mean by the term operator?

Unary, Binary
And, Or and Not
(+), (*)

SO-called

Defining the problem
Planning the program
-m, Coding the program
Testing the program