C# Operators Interview Questions Pdf

List out the Special Operators in C#?

Is, as	relational operator
Type of	type operator
Size of	size operator
New	object creator
.(dot)	member access operator
Checked	overflow checking
Unchecked	prevention of over flow checking

Define Operator and Operand?

Operator

An operator is a symbol that tells the computer to perform certain mathematical or logical manipulations. It is used to manipulate data and variables.

Operands

The data items that the operators act upon are called operands.

List the categories of the assignment operator?

It is used to assign the values of an expression to a variable. In C#, there are three categories of assignment operations.

Simple assignment.

Compound assignment.

Multiple assignment.

Question: 4

What is called ternary operator?

The ternary operator is used to form a conditional expression. It uses three operands and hence it is called as a ternary operator.

The general format is:

Expression1? expression2: expression3

Question: 5

What is checked and unchecked operator?

These operators are used in arithmetic operations for overflow checking.

If an operation is checked, and over flow error will be thrown when an over flow occurs.

If it is not checked, the error is not reported and the overflowing bits are discarded.

Question: 6

Give the advantages of the compound assignment?

Statement is more concise and easier to read.

Use of shorthand operator's results in a more efficient code.

What appears on the left side need not be repeated and therefore it becomes easier to write.

Classify the operator based on the number of operands?

Unary,

Binary,

Ternary

What is called mixed mode arithmetic?

When one of the operand is real and the other is integer, the expression is called a mixed **mode arithmetic expression**.

If either operand is of the real type, then the other operand is converted to real and real arithmetic is performed.

Define widening and narrowing?

The process of assigning a smaller type to a larger one is known widening or promotion. The process of assigning a larger type to a smaller one is known as narrowing.

What are the advantages of casting?

It avoids truncation in a division.

Used to round off floating point number to the nearest integer.

Double a= 65.45;

Int b= (int) a//b is 65

Provides methods to convert between numeric values and strings.

```
Int X = 100;

String S1 = X. ToString (); // integer becomes string

Int y = Int. Parse (S1); // string becomes integer
```