

Test your knowledge

What type would you choose for the following "numbers?"

- A person's telephone number
- A person's height
- A person's age
- A person's salary
- A book's ISBN
- A book's price
- A book's shipping weight
- A country's population
- The number of stars in the universe

Test your knowledge

- What happens when you divide an int variable by 0?
- What happens when you divide a double variable by 0?
- What happens when you overflow an int variable, that is, set it to a value beyond its range?
- What is the difference between the statements `x = y++;` and `x = ++y;` ?
- What is the difference between `break` , `continue` , and `return` when used inside a loop statement?

Test your knowledge

- What are the three parts of a for statement and which of them are required?
- What is the difference between the = and == operators?
- Does the following statement compile? `for (; true;) ;`
- What interface must an object implement to be enumerated over by using the foreach statement?
- What does the C# keyword void mean?
- When writing a unit test, what are the three A's?

Test your knowledge

- When writing a unit test using xUnit , what attribute must you decorate the test methods with?
- What dotnet command executes xUnit tests?
- What is TDD?
- What are the six access modifiers and what do they do?
- What does a constructor do?
- What does overloading mean?

Test your knowledge

- How are a base class and a derived class related?
- What is the difference between the is and as operators?
- Which keyword is used to prevent a class from being derived from, or a method from being overridden?
- Which keyword is used to prevent a class from being instantiated with the new keyword?
- Which keyword is used to allow a member to be overridden?
- What is the difference between a namespace and an assembly?
- How do you reference another project in a .csproj file?