

Datatypes of VB.NET

Data Type determines which type of value can be stored in the variable. You can specify Data Type for a variable at the time of declaring a variable. Data types supported by VB.NET are classified into following categories:

(1) Numeric Data Types

Data Type	Byte	Purpose
Short	2	It is used to store 2 Byte integer value. Default value is 0.
Integer	4	It is used to store 4 Byte integer value. Default value is 0.
Long	8	It is used to store 8 Byte integer value. Default value is 0.
Single	4	It is used to store floating point value. It is normally used to store single precision floating point numbers which has less accuracy . Default value is 0.
Double	8	It is used to store floating point value. It is normally used to store double precision floating point numbers which has more accuracy. Default value is 0.
Decimal	16	It is used to store floating point value. It is normally used to store floating point numbers that require greater number of significant digits. It supports up to 29 significant digits. It is generally used in financial calculations . Default value is 0.

(2) Character and String Data Type

Data Type	Byte	Purpose
Char	2	Character data type is used to store only single character that is
String	Up to 2 billion	enclosed between double quotation mark.

	characters	String Data Type is used to store textual information such as
		letters, digit and some special characters. It is a group of
		characters enclosed between double quotation mark.

(3) Byte Data Type

Data Type	Size	Purpose
Byte	1	Byte data type is used to store binary data such as binary file, image, sound
		etc... It is unsigned Byte data type. Default value of Byte data type is 0.
SByte	1	SByte data type is used to store binary data such as binary file, image, sound etc...It is signed Byte data type. Default value of Byte data type is 0.

(4) Boolean Data Type

Data Type	Size	Purpose
Boolean	2	Boolean datatype is used to store true or false value. Default value of
		Boolean variable is FALSE. You can also assign integer value to
		Boolean variable. Any Non-Zero value is considered as TRUE and zero
		is considered as FALSE.

(5) Date Data Type

Data Type	Size	Purpose
Date	8	Date datatype is used to store Date and Time value. You can assign values
		to Date variable using one of the following methods: CurrentDate =
		Now.Date 'assign current system date CurrentDate
		= #08/03/1982# 'assign user specific date

(6) Object Data Type

Data Type	Size	Purpose
Object	8	Object data type can store value of any type. You can store numeric, byte, Boolean, floating point or string value in this type of variable. It is the default
		type of the variable. It means if you don't declare the variable then the default Data Type for that variable is object.