.NET > C#.NET > OOP

Dynamically Typed Variables

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Dynamically Typed Variables

 Dynamically Typed Variables are those variables, which are declared without specifying the data type explicitly, and specifying the "dynamic" keyword"; so that the C# compiler skips "typechecking" at compilation time; instead, it resolves the data types of its values, at run time.

• Rules:

- The "dynamic" type variables are converted as "object" type in most cases.
- o dynamic dynamicVariable = 100; → object dynamicaVariable = 100;
- The Dynamically Typed Variable can change its data type, any no. of times, at run time.
- Methods and other members of Dynamically Typed Variables will not be checked by the compiler at compilation time; will be checked by CLR at run time.
- o If the method or other member not available, it would not cause compile-time error; it raises run-time error, when the execution flow encountered that particular statement.
- dynamicVariable.FakeMethod(); //run-time error (exception)
- The Dynamically Typed Variables need not be initialized, while declaration.
- o The Dynamically Typed Variable doesn't have "Intellisense" in Visual Studio.
- The "dynamic" keyword is allowed for local variables, method parameters, fields, properties, return types etc.

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dynamic variableName = value;