Computers: -> Binary Language ( 1 0r 0) => Voltage Specifications

Programming Languages=>

C# =🡺

C# language => Computer Understands

1. Write the code (in high level language)
2. Compiler converts high level language -> Machine Understandable language
3. Then the Program Execution happens

Interpreter:

We write code

Code is translated into machine level language line by line & executed

Application Categories:

1. Console or command line applications
2. Windows/ Standalone applications ( Thick Client Applications)
3. Thin client applications

Entry point 🡺 Main

DataTypes:-🡪

1.Fixed size

10 11 =>2 pow 32 => -2 p 16 to 2 p 16 -1

2. Variable size

string

Numbers

Integers => int

Real => double, float

Boolean 🡺 bool

Characters/strings =>char, string

DateTime

Visual Studio Organizes Work

1. Solution
2. Project

Express in English about the following Apps.

1. Compound Interest
2. Calculator

Specific Datatypes

Int, long , float, double

Char, string

Bool

DateTime

Int a;

A=5;

Double b=10.5;

OOPS:

Contents & Capabilities

Member & Method/Function

Relationship

1. Inheritance (is-A)

2. Composition (has-A)

Access Specifiers

Public, private & protected

Syntax for methods

<acessmodifier> returntype MethodName(argumentList)

Public bool IsPresent()