

Weekend Assignment

Sunday, January 21, 2024 11:45 AM

1. what is .Net and why we need to use .Net

Ans:- **.Net**:- it is a like toolbox of the differenet different libararies
It is a free open source and cross platform framework
In dotnet framework we write the code in more than 70 plus languages.

Talking about why to use the .net so basically following reasons

A) Language interoperability:- developers can write the code in the different different language within the dotnet framework

2. How many versions are there in .Net framework as of today

Ans:-

- On 13 February 2002, Microsoft launched first version of .Net framework 1.0.
- 1. The second version 2.0 of .net framework was launched on 22 January 2006.
- 2. Third version 3.0 of .Net framework was released on 21 November 2006.
- 3. A .Net framework version 3.5 was released on 19 November 2007.
- 4. Version 4.0 of .Net framework was released on 29 September 2008
- 5. Version 4.5 of .Net framework was released on 15 August 2012.
- 6. .Net framework 4.5.1 version was announced on 17 October 2013
- 7. On 5 May 2014, a 4.5.2 version of .Net framework was released.
- 8. .Net framework 4.6 version was announced on 12 November 2014
- 9. .Net framework 4.6.1 version was released on 30 October 2015
- 10. .Net framework 4.6.2 version was announced on March 30, 2016
- 11. .Net framework 4.7 version was announced on April 5, 2017
- 12. .Net framework 4.7.1 version was announced on October 17, 2017
- 13. Version 4.7.2 of .Net framework was released on 30 April 2018.
- 14. And currently we are using .Net framework version 4.8 that was released on 18 April 2019

3. What is BaseClass libraries and use of them

Ans:- It is a subpart of the framework it is basically provide the support of common language runtime

4. What are the namespaces

Ans:- Namespace is the combination of the various class, libraries, structure and framework

Ex:-

System.data //functionality of the database
System.data.SqlClient //functionality specific to the sql server

System is the root namespace

5. What type of applications we can develop using .Net

Ans:-Using dotnet framework we can make various types of the software

Ex:-

- 1)**Mobile application**:-Building the web applications Asp.net a part of the dotnet framework allows developers to create dynamic and interactivte websites
- 2)**Desktop application**:-like operating system
- 3)**Mobile Applications**:-using the dotnet c# we can create the mobile apps for the ios and android
- 4)**Cloud Based Application**
- 5)**Games**
- 6)**APIs(Application Programming Interfaces)**

6. what is front-end ,back-end?

Ans:- **Frontend**:- Fronted is the basically what you seen in you website this is the frontend like that button, checkbox, graphics , text message and user interact with that website that is called the fronted.

Backend:- It is the server side of the website

It is basically used for the security purpose

It is part of the website even you cannot seen and interact with directly.

7. What are constructors?

Ans:-

- >Constructors is the member function of the class
- >It is the same name as per the class name.
- >Constructors automatically called when object is created
- >There are many types of the constructors like that parametrized constructor copy constructor , default constructors

