1ˢᵗ Assignment of Visual Basic with C#

1. Describe the .net Framework Architecture with diagram.
2. Define CLR. How CLR works?
3. Explain the components of .net framework.
4. What is interface? How is it different from the class? Explain with example.
5. Define Constructors and destructors. Write C# program to illustrate constructor overloading.
6. What is inheritance? Explain different types of inheritance with examples.
7. Define polymorphism. Give Example in code for the function overloading.
8. Explain the features of OOPs.
9. What is exception? Write a program to handle the exception.
10. Difference between method(function) overloading and method overriding with example program.
11. What is abstract class? Write program to illustrate abstract class.
12. What is an Array? How do you declare and initialize an array in C#? provide an example of iterating through an array and printing its elements.
13. How do you write a simple if-else statement in C#? Provide an example of using an if-else statement to determine whether a number is even or odd.
14. What are partial classes, static classes, and sealed classes in C#? provide an examples of each.
15. What are the access modifiers allowed in C#?
16. What do you mean by decision control statement? Explain the foreach loop with syntax and example.