Assignment-2

1. Write a C# program to find area of rectangle box using class and object?
2. Create a simple class named person that contains basic information like name, age, gender etc. Your class should also contain functions/ methods for storing and displaying data.
3. Explain read-only modifier with example?
4. What do you mean by constructor and destructor? Explain with example.
5. What do you mean by static constructor? How it is different than other types of constructors? Explain with example.
6. Explain the use of this keyword in C# with example?
7. What do you mean by properties in C# explain with example?
8. Explain the automatic properties in C# with example?
9. Explain the indexer with the help of suitable example?
10. What do you mean by static class? Explain with suitable example?
11. What do you mean by inheritance? Explain the single inheritance with example?
12. What is multilevel inheritance? Explain with example?
13. Explain the hierarchical inheritance with example?
14. What is multiple inheritance? How can you achieve it? Explain with example?
15. What do you mean by interface? Explain the use of interface with suitable example?
16. What do you mean by abstraction? Explain the abstract class and method with suitable example?
17. Explain the static and dynamic binding with example?
18. What do you mean by method overloading? Explain with suitable example?
19. What do you mean by method overriding? Explain the use of virtual function for method overriding?
20. What is operator overloading? Explain with example?
21. Write a C# program to overloaded unary operator?
22. Write a C# program to overloaded binary operator?
23. What do you mean by sealed class? Explain with example.
24. What do you mean by sealed method? Explain with example.
25. Explain the base key word with suitable example?
26. Explain the different access modifier with suitable example?
27. What do you mean by enum? Why it is used in C#? Explain with the help of suitable example?
28. What are different types of generic classes supported in C#? Explain with example?
29. What do you mean by polymorphism? Explain the compile time and run time polymorphism with suitable example?
30. Write a C# program to create generic class and generic method?