***Design Pattern***

***Assignment No 1***

Q 1 Explain Object Oriented Design Principles.

Q 2 What is design pattern? List down all design patterns and their classification?

Q 3 List and explain benefits of design pattern. Explain how design pattern solve design problems.

Q 4 Explain software design principles.

Q 5 Explain the concept of catalog and organization of catalog of design pattern in detail.

Q 6 Explain the difference between factory method and abstract factory design pattern.

Q 7 Explain the features of creational design pattern.

Q 8 Write and explain Singleton design pattern with suitable example.

Q 9 Explain the application of Builder design pattern. Illustrate a scenario in which builder pattern can be used.

Q 10 Explain prototype design pattern with suitable example. Explain advantages and disadvantages of prototype design pattern.