**Simple Factory:** It is used to create objects without exposing the logic to the client. Factory by name something when something is input, and it gives you an output. The one who gives input doesn’t know how it initialize the classes or products. In Simple factory we have only one concrete factory for example If I take an example Mobile Factory which is creating mobiles of different brand type like Samsung, Xiaomi, iPhone etc. we only need single mobile factory.

**Advantages**

It helps keeps all objects in one place hence encapsulate objects creation. Enhance scalability and testability and we can add more product implementing the interface with change the client code. Code became more maintainable as the object becomes centralized.