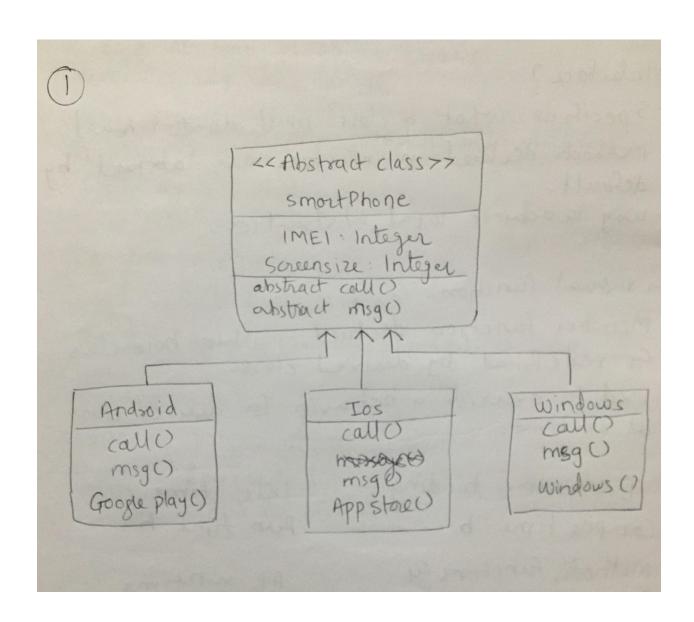
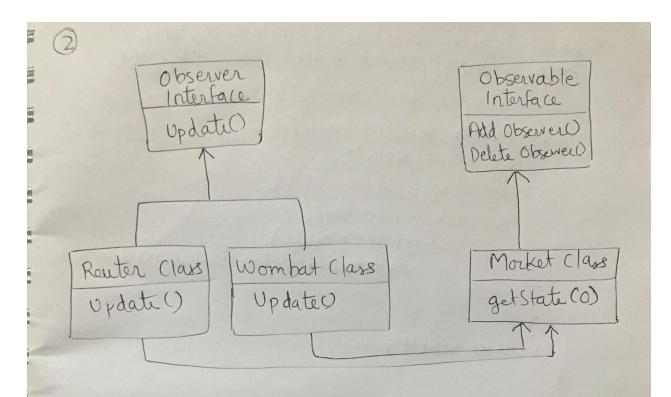
Parth Modhvadia (INT633)





3) Simplest design pattern.

- Used when we need one instance of our clars, which is shared by multiple objects, as creating a separate DB connection for every object may be costly.

- It restricts instantiation of a class to one object only.

1) Early Instantiation: Instance creation is done during loading.

2) Lazy Instantiation: Instance treation done only when required.

```
public class singletona
      private static volatile singleton instance;
private static object mutex = new object();
     public static singleton getInstance()d
         singleton result = instance;
if (result == NULL)
              synchronized (mutex) 2
                   resultzinstance;
                   if (result = = NULL)
                        instance = result = new singleton();
      return result;
                                                Concrete builder
 Director
                             Builder
Builder: builder
Construct()
                            build porte)
   This builder build Pasts ()
                                                    Product
```