

## Quiz 2

1. Create an abstract class pen with methods write ( ) and refill ( ) as abstract methods.
  - 1.1. Use the pen class from Q1 to create a concrete class fountain pen with additional method change Nib ( ).
2. Create a class monkey with jump ( ) and bite ( ) methods Create a class human which inherits this monkey class and implements basic animal interface with eat ( ) and sleep methods
3. Create a class telephone with ( ) , lift ( ) and disconnected ( ) methods as abstract methods create another class smart telephone and demonstrate polymorphism
4. Demonstrate polymorphism using monkey class from Q2.
5. Create an interface TV remote and use it to inherit another interface smart TV remote
6. Create a class TV which implements TV remote interface from Q5.
7. Observe the class diagram below and provide the solution code:

