## Chapter 11 Polymorphism using interfaces in Java by Munawar

## Polymorphism using interfaces

C. Cell phone

I. GPS

I. Camera

I. Media Player

Smart Phone

I=interface

GPS g =new Smart Phone ();

C=class

Smart Phone s=new Smart Phone ();

Implementing an interface forces method implement.

## Source Code

```
import javax.swing.plaf.synth.SynthTextAreaUI;
import java.util.Scanner;
import java.util.Random;

interface Camera{
    void takeSnap();
    void RecordVideo();

    // we can default method define then do not require to used in class default void CapturePicture(){
        System.out.println("default Capturing Picture ....");
    }
    private void privateCamera() {
        System.out.println("Private is not accessible in another class or main ");
    }
}

interface wifi {
    String [] getNetwork();
    void connectToNetwork(String network);
}
class MycellPhone{
```

```
public void takeSnap() {
public void RecordVideo() {
public String[] getNetwork(){
public void CapturePicture() {
    SmartPhone sm=new SmartPhone();
    sm.CapturePicture();
```

Thank You