```
Abstraction
                                   11 11 11 11 11 11
    interface Engine ?
         void start Engine ();
          void stop Engine (); }
    interface Driveable {
          void drive (); }
 abstract class vehicle f
        string brand;
  public Vehicle (String broard) f
      this broand = broand;
abstract void fueltype ();
public void show Brand ()}
System. Out. println ("Vehicle Broand: "+ broand);
class Car extends Vehicle implement Driveoble, Engiz
{ public dar (straing broard) {
            super (broand); }
```

@Override EDITE OF public void drive () & svind blow sing System out println ("Car is driving on the road"); @Overruide void fueltype () { System out println ("Car uses patrol."); } public void startEngine Uf System.out.println ("Car lengine stanked."); } System out minth (" Electric bike Foucied of public void stopEngine () { System. Out. pruntln . (" car engine stopped."); class Electric Bike extends Vehicle implements Driveable, Figine public ElectricBike (string brown d) { Super (broand); }

@Overnide public void drive of saint bion siding System out println ('Electric bike is gliding silently."); 1 @Overrude void stellate o void fueltspe of System out println (" Electric bike uses ballon power."); Public void storethigh () ? @override public void start Engine () of motor System. out. println (" Electric bike powered on."). public void stoptique 01 @Override public void stopEngine () { altring two motors System out printin (" Elecktric bike powered 8%). public Electricism (stime orange)? Super (howard) 19403

class Boot extends vehicle implements briveable, Engine & public Boat (string brand) f super (briand); 7 @Override repair vehicle can haw to public void drive () { System. Out. println ("Boat is sailing through water."); averride void fueltype () { System. Out. println (" Boot uses dissel fuel.")) @ overrude public void start Engine () } System. Out. println ("Boat engine mours to life.");

Override(). @ Override().

public void stopEngine () & Boat engine shut down.");

system. out. println ("Boat engine shut down.");

public class Abstraction Floors 1000 public class (brond points) hoper silving public static void main (string 57 args) ? Vehicle car= new car (" Toyota") car. show Brand (); ((Engine) car). start Engine (); ((Driveable) car) · drive(); car. fuel Type (); ((Engine) car). stop Engine (); System. out. printin (); Ilmin two maters Vehicle ebike = new Electric Bike ("Tesla"); ebike showBriand (); ((Engine) ebike). stant Engine(); (Driveable) ebike) · drive ();

ebike · fuel Type ();

((Engine) ebike). stop Engine (); system.out. println (); vehicle boat = new Boat ("Yamaha"), boat show Brand () ((Engine) boat). start Engine (); ((Driveable) boat). drive (); boat fueltype (); Engin boat ((Engine) boot). stop Engine ();