```
intentace Drive {
    void drive ();
 intenface Engine {
    void start Engine();
     void stop Engine ();
 abstract class vehicle }
   string brand;
   public vehicle (string brand) {
       this board = brand;
   abstract void Judtype();
public void show Brand (){
        Systemout println ("Vehicle Brand: "+ broand);
 3
class car extends vehicle implements prive, Engine {
    public car (string brand) {
         super (brand);
     3
```

```
@ Overnide
public void drive () {
  systemout println ("can is driving on the road."),
 3
@ overnide
 fueltype() {
  System.out. println ("car uses petrol.").
Governide
public void start Engine () {
  system.out. println ("can engine stanted."),
@ overnide
 public void stop Engine () {
  system.out.println ("can engine stopped."),
                    public car (string brand) &
```

```
class Electricibile extends vehicle Implements Drive, Engine?
   public class Electric Bike (string brand){
       super (brand);
  Qovernide
   public void drive () {
  System.out.pnintln (" Electric Bike is gliding sitently."),
   public rold fueltype(){
      system.out.pnintln ("Electric Bike uses battery power. 11);
   public void stant Engine ( ) {
        system. out print In ("Electric Bike powered on. "),.
                     public void start Engine
  public rold stop Engine () {
       system. out. println (" Flectric Bike powered off."),.
    5
```

```
Mass, Mcthiebike extends Vehide implements Daive, Engine
    class Boat entends Vehicle Implements Prive, Engine &
        public Boat (String brand) {
            super (brand);
       Qovernide
        public void drive (1 }
           System.out. println ("Boat is sailing through water."),
        Qovernide
         public roid fuel Type () { Many too motor
            systemout println ("Boat uses diesel fuel."),.
( and @overnide in sint seller) althing two matrices
           public void start Engine () {
              system.out. println ( Boot engines noons to life "/"
system. out printla ("I betain Bike power Eed off. ").
          Qovennide
          public void stopEngine () {
              System. out. println ("Bout engine stut down."),
```

```
public class Abstract {
   public static void main (string [] angs) {
       Vehide can = new (an (" Toyota");
       can . show Brand (),
      ((Engine) can) stant Engine ();
      (Onive)can), drive();
       can fuel Type 1,
      ((Engine)can), stop Engine();
      system. out. println ();
      Vehicle ebike = new Electric Bike ("Tesla").
       ebike show Brand ();
      ((Engine) ebike). stant Engine ();
      (Onive) ebike). drive ();
       ebike. fuel Type ();
      (Engine bike); step Engine ();
       system.out.pointln (),
       Vehicle broat = new Boat (" Yahamala"),.
       boat show Brand ();
```

(Engine) boat). show stant Engine (); ((Dnive) boat). drive (); boat. fact Type(); board work our (Engine) boot), step Engine (); ((Onive) can), dalve(): can fuel Typel Ii ((Engine) can), stop Engine(); system aut printly (); Vehicle ebike = new Ekretnichike ("Testa"). Chike show Brand (); ((Engine) ebile), stant Engine(); ((Onive) ebile / drive ();