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Program:

```
abstract class vehicle {
    abstract double calculate speed ();
    abstract double calculatevelocity();
}

class car extends vehicle {
    private double distance, time, disp;

    car (double distance, double time, double disp) {
        this. distance = distance;
        this. time = time;
    }
    double calculatespeed () {
        return distance/time;
    }
    double calculatevelocity () {
        return disp/time;
    }
}
class bike extends vehicle {
    private double distance, time, disp;
    bike (double distance, double time, double disp) {
        this.distance = distance;
        this. time = time;
        this.disp = disp;
    }
    double calculate speed () {
        return distance /time;
    }
```

space

```
double calculateVelocity(){
    return disp/time1;
  }
}

Public class VehicleDemo{
  public static void main(String[] args){
    Vehicle car = new car(5, 30, 4);
    Vehicle bike = new Bike(6, 30, 5);

    System.out.println("Car speed:" + car.calculateSpeed
    System.out.println("car velocity:"+car.calculate.velocity());
    System.out.println("Bike speed:" + Bike.calculate
                                        Speed());
    System.out.println("Bike velocity:" + Bike.calculate
                                        velocity());
  }
}
```