

**Aim:**

Five bikers compete in a race such that they drive at a constant speed which may or may not be the same as the other.

To qualify the race, the speed of a racer must be more than or equal to the average speed of all the 5 racers.

Take as input the speed of each racer and print back the speeds of qualifying racers.

Write a class `Race` with a method `main(String[] args)`. The main method receives five arguments. You can write code to parse them into `double` data type.

For example, if the values `54.55, 53.57, 54, 56.25, 57.30` are passed as arguments to the `main()` method, then the output should be

The speed of the racers  $\geq$  average speed 55.134 : 56.25 57.3 .

**Note:** Make sure to use the `print()` method and not the `println()` method.

**Source Code:**`Race.java`

```
class Race
{
    public static void main(String args[])
    {
        double a,b,c,d,e,avg;
        a=Double.parseDouble(args[0]);
        b=Double.parseDouble(args[1]);
        c=Double.parseDouble(args[2]);
        d=Double.parseDouble(args[3]);
        e=Double.parseDouble(args[4]);
        avg=(a+b+c+d+e)/5;
        System.out.print("The speed of the racers  $\geq$  average speed "+avg+": ");
        if(a>avg)
            System.out.print(", "+a);
        if(b>avg)
            System.out.print(", "+b);
        if(c>avg)
            System.out.print(", "+c);
        if(d>avg)
            System.out.print(", "+d);
        if(e>avg)
            System.out.print(", "+e);
        else
            System.out.print("");
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
The speed of the racers >= average speed 54.855999999999995: ,81.6,58.19,79.42

Test Case - 2
User Output
The speed of the racers >= average speed 78.0032: ,96.21,87.26,105.63