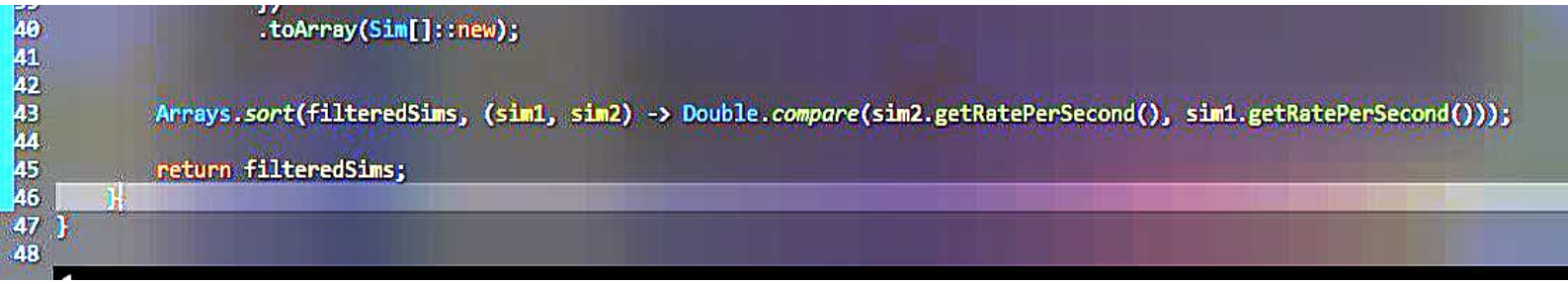
DatabaseExamples/src/ex1.java

```java
pack
public class Sim {
    private int simId;
    private String customerName;
    private double balance;
    private double ratePerSecond;
    private String circle;
    public Sim(int simId, String customerName, double balance, double ratePerSecond, String circle) {
        this.simId = simId;
        this.customerName = customerName;
        this.balance = balance;
        this.ratePerSecond = ratePerSecond;
        this.circle = circle;
    }


    public int getSimId() {
        return simId;
    }

    public String getCustomerName() {
        return customerName;
    }

    public double getBalance() {
        return balance;
    }

    public double getRatePerSecond() {
        return ratePerSecond;
    }

    public String getCircle() {
        return circle;
    }


    public void setSimId(int simId) {
        this.simId = simId;
    }
```

```
41
42      public void setCustomerName(String customerName) {
43          this.customerName = customerName;
44      }
45
46      public void setBalance(double balance) {
47          this.balance = balance;
48      }
49
50      public void setRatePerSecond(double ratePerSecond) {
51          this.ratePerSecond = ratePerSecond;
52      }
53
54      public void setCircle(String circle) {
55          this.circle = circle;
56      }
57  }
```

ex1.java | ex7.java | movierunner... | Solution.java | reverseStri... | Movie1.java | TravelAgenci... | Movie4.java | pgblevel1.java | moviecode.jav

```java
package javaassessment;
import java.util.Arrays;
import java.util.Scanner;

public class Based {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        Sim[] sims = new Sim[5];
        for (int i = 0; i < 5; i++) {
            int simId = scanner.nextInt();
            scanner.nextLine(); // Consume newline
            String customerName = scanner.nextLine();
            double balance = scanner.nextDouble();
            double ratePerSecond = scanner.nextDouble();
            scanner.nextLine(); // Consume newline
            String circle = scanner.nextLine();

            sims[i] = new Sim(simId, customerName, balance, ratePerSecond, circle);
        }


        String circle1 = scanner.nextLine();
        String circle2 = scanner.nextLine();
        scanner.close();
        Sim[] result = transferCircle(sims, circle1, circle2);

        for (Sim sim : result) {
            System.out.println(sim.getSimId() + " " + sim.getCustomerName() + " " + sim.getCircle() + " " + sim.getRatePerSecond());
        }
    }

    public static Sim[] transferCircle(Sim[] simArray, String circle1, String circle2) {

        Sim[] filteredSims = Arrays.stream(simArray)
                .filter(sim -> sim.getCircle().equalsIgnoreCase(circle1))
                .map(sim -> {
                    sim.setCircle(circle2);
                    return sim;
                })
                .toArray(Sim[]::new);

```


.toArray(Sim[]::new);
Arrays.sort(filteredSims, (sim1, sim2) -> Double.compare(sim2.getRatePerSecond(), sim1.getRatePerSecond()));
return filteredSims;
}
}

```
1
    raju
    130
    1.32
    mum
    2
    sachin
    120
    2.26
    ahd
    3
    ram
    200
    2.54
    kol
    4
    shubham
    640
    3.21
    ahd
    5
    kalpesh
    150
    1.8
    ahd
    ahd
    kol
4      shubham      kol 3.21
2      sachin      kol 2.26
5      kalpesh      kol 1.8
```