CellPhoneDemo.java

**package** com;

**public** **class** CellPhoneDemo {

**public** **static** **double** deductBalance(Cell cells,**int** a) {

**double** deduct=0.0;

deduct = cells.getBalance()- (a\*cells.ratePerSecond);

**return** deduct;

}

**public** **static** Cell[] searchCircle(Cell[] c,String s) {

**int** count = 0;

**for**(Cell ce:c) {

**if**(ce.getCircle().equalsIgnoreCase(s)) {

count++;

}

}

**int** i=0;

Cell[] result =**new** Cell[count];

**for**(Cell ce:c) {

**if**(ce.getCircle().equalsIgnoreCase(s)) {

result[i] = ce;

i++;

}

}

**return** result;

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Cell[] cells = **new** Cell[5];

cells[0] = **new** Cell(1,"aaa",50,0.5,"mum");

cells[1] = **new** Cell(2,"aaa",40,0.5,"ahd");

cells[2] = **new** Cell(3,"aaa",30,0.5,"pne");

cells[3] = **new** Cell(4,"aaa",55,0.5,"mum");

cells[4] = **new** Cell(5,"aaa",60,0.5,"pne");

System.***out***.println(*deductBalance*(cells[0],10));

Cell[] newCells = *searchCircle*(cells,"mum");

**for**(Cell cell:newCells)

{

System.***out***.println(cell.getCellNo());

}

}

}

Cell.java

**package** com;

**public** **class** Cell {

**int** cellNo;

String customerNo;

**double** balance;

**double** ratePerSecond;

String circle;

**public** Cell(**int** cellNo, String customerNo, **double** balance, **double** ratePerSecond, String circle) {

**super**();

**this**.cellNo = cellNo;

**this**.customerNo = customerNo;

**this**.balance = balance;

**this**.ratePerSecond = ratePerSecond;

**this**.circle = circle;

}

**public** **int** getCellNo() {

**return** cellNo;

}

**public** **void** setCellNo(**int** cellNo) {

**this**.cellNo = cellNo;

}

**public** String getCustomerNo() {

**return** customerNo;

}

**public** **void** setCustomerNo(String customerNo) {

**this**.customerNo = customerNo;

}

**public** **double** getBalance() {

**return** balance;

}

**public** **void** setBalance(**double** balance) {

**this**.balance = balance;

}

**public** **double** getRatePerSecond() {

**return** ratePerSecond;

}

**public** **void** setRatePerSecond(**double** ratePerSecond) {

**this**.ratePerSecond = ratePerSecond;

}

**public** String getCircle() {

**return** circle;

}

**public** **void** setCircle(String circle) {

**this**.circle = circle;

}

}