9. Store Rebate

Program Name: Rebate.java   Input File: rebate.dat

Buying books for classes can be very expensive especially on a college budget. Luckily, there is a new store in town that offers rebates to customers. They are willing to give students 10% back on the total amount a student spends at the store minus any returns the student makes. As a bonus, the store rounds the rebate up to the nearest 5 dollars. Write a program to calculate how much money each students get back in rebates.

Input
- The first line will contain a single integer N that indicates the number of data sets.
- Each data set will begin with the student's name on a single line.
- The next line will have the number of transactions T the student made.
- The next T lines will be the transaction amounts. A positive number represents a purchase, while a negative number represents a return. All values will have a leading digit (possibly a zero) and 2 decimal places. It is possible to have a return before any purchases. This is not necessarily a bad data set.

Output
The name of the student followed by a space followed by the amount of their rebate. Do not include any decimal places. If a student's returns exceed their purchases, print out BAD DATA.

Example Input File
```
4
Samantha
3
25.25
23.00
25.15
Josh
7
21.65
56.29
251.14
129.90
541.25
433.00
-56.29
Oscar
3
300.00
150.00
-150.00
John
2
-150.16
125.99
```

Example Output To Screen
```
Samantha 10
Josh 140
Oscar 30
John BAD DATA
```

9. Store Rebate

Program Name: Rebate.java   **Input File: rebate.dat**

Judges Input File
```
14
Samantha
3
25.25
23.00
25.15
Josh
7
21.65
56.29
251.14
129.90
541.25
433.00
-56.29
Oscar
3
300.00
150.00
-150.00
John
2
-150.16
125.99
Nada
10
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
Jesse
3
10.00
19.00
-29.00
Max
5
-12378.82
2231.23
19823.82
-2819.99
1827.83
Mike
4
-100.00
250.15
-200.00
-150.15
```

```
Max
8
816.29
126.72
12.42
20.19
0.23
0.00
-27.89
-72.28
Lima
1
0.01
Jack
1
0.00
terri
5
-142.21
160.12
-272.23
217.00
102.95
#$%$^
4
5.00
10.00
15.00
-5.00
Last
4
100.00
200.00
50.00
300.00
```

Judges Output to Screen
```
Samantha 10
Josh 140
Oscar 30
John BAD DATA
Nada 10
Jesse 0
Max 870
Mike BAD DATA
Max 90
Lima 5
Jack 0
terri 10
#$%$^ 5
Last 65
```