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\* Class:Main ExTT.5 Pg.#.# Author: Yin Linhai

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\* A program that takes 5 values, sorts them, averages them, takes the total, and compares which total is greater, and

\* prints all this info out.

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\* Course:Computer Science 201Teacher:Mr Blakey

\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**package** test\_5;

**import** java.util.Arrays;

**import** java.util.Scanner;

**public** **class** Main {

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

//initialize variables

**int**[] chuck = **new** **int**[5];

**int**[] steven = **new** **int**[5];

**int** chuckTotal = 0, stevenTotal = 0;

**int** chuckAverage, stevenAverage;

//construct scanner object

Scanner scan = **new** Scanner(System.*in*);

//ask for amount made

**for**(**int** x = 0; x<5; x++) {

System.*out*.println("Please enter the amount Chuck made in his movie number " + (x+1));

chuck[x] = scan.nextInt();

System.*out*.println("Please enter the amount Steven made in his movie number " + (x+1));

steven[x] = scan.nextInt();

}

//sort arrays

Arrays.*sort*(chuck);

Arrays.*sort*(steven);

//calculate average earned

chuckAverage = (chuck[0] + chuck[1] + chuck[2] + chuck[3] + chuck[4])/5;

stevenAverage = (steven[0] + steven[1] + steven[2] + steven[3] + steven[4])/5;

//print out headers

System.*out*.println("REPORT:");

System.*out*.println("Chuck Movies\tSteven Movies");

//print out each movie's profit and add to total

**for**(**int** x = 0; x<5; x++) {

//print out profit

System.*out*.println(chuck[x] + "\t" + steven[x]);

//add to total

chuckTotal += chuck[x];

stevenTotal += steven[x];

}

//Print out average and, total

System.*out*.println("Average amount earned for Chuck : $" + chuckAverage);

System.*out*.println("Average amount earned for Steven : $" + stevenAverage);

System.*out*.println("Total amount earned for Chuck : $" + chuckTotal);

System.*out*.println("Total amount earned for Steven : $" + stevenTotal);

//decide on who wins

**if** (chuckTotal>stevenTotal) {

//chuck wins

System.*out*.println("The greatest of them all is: Chuck Norris");

} **else** {

**if**(stevenTotal>chuckTotal) {

//steven wins

System.*out*.println("The greatest of them all is: Steven Seagal");

} **else** {

//tie

System.*out*.println("The greates of them all is: Chuck Testa! It's a tie!");

}

}

scan.close();

}

}

**Output**

Please enter the amount Chuck made in his movie number 1

23432430

Please enter the amount Steven made in his movie number 1

33432432

Please enter the amount Chuck made in his movie number 2

3434340

Please enter the amount Steven made in his movie number 2

234

Please enter the amount Chuck made in his movie number 3

243

Please enter the amount Steven made in his movie number 3

68888

Please enter the amount Chuck made in his movie number 4

3434343

Please enter the amount Steven made in his movie number 4

544452

Please enter the amount Chuck made in his movie number 5

234

Please enter the amount Steven made in his movie number 5

234

REPORT:

Chuck Movies Steven Movies

234 234

243 234

3434340 68888

3434343 544452

23432430 33432432

Average amount earned for Chuck : $6060318

Average amount earned for Steven : $6809248

Total amount earned for Chuck : $30301590

Total amount earned for Steven : $34046240

The greatest of them all is: Steven Seagal========================================================================