

# Program 402a

## (scores and differences)

**Program Description:** Read 21 pairs of numbers (ID number and score respectively) into two separate vectors. Find the average score. Print a table as shown below of the ID, score and difference (score - average) for each student, one student per line. Print the average at the end as shown. Round the average and difference to 2 decimal places.

**Statements Required:** input, output, loop control, decision making, arrays

**Data Location:** prg402a.dat

### Sample Output:

ID	Score	Diff
115	257	14.38
123	253	10.38
116	246	3.38
113	243	.38
112	239	-3.62
104	239	-3.62
110	238	-4.62
218	243	.38
208	242	-.62
222	223	-19.62
223	230	-12.62
213	229	-13.62
207	228	-14.62
203	224	-18.62
305	265	22.38
306	262	19.38
311	256	13.38
325	246	3.38
321	245	2.38
323	245	2.38
301	242	-.62

Average Score = 242.62

