

Validating Values– Packed Arithmetic

100 Points

Data Format: In: CSU.PUBLIC.DATA(DATAPRG&PROG)

CC 1 - 4 Starting Value (Four characters, no decimals!)

Name your program: PROG3 and leave it in your Library!

Be sure that the PROG variable in the JCL is set to 3!

Read input records, validate the input value, **and print the heading, the input and twelve** valid values for each record in a similar format as the examples. The start value may **not** be a valid number! Print the **Start Value** and twelve valid values in a **single column**. If start value is valid, print it again as the first valid value! Continue until there are no more records. Use 'BAS' instruction to 'call' subroutines! Each number will be a four-digit integer where the middle two digits add up to nine!

Example output values: (Your output will be in a **single column!**):

Start values:	1000	1500	2261	5833	9900
	1090	1540	2270	5900	9900
	1091	1541	2271	5901	9901
	1092	1542	2272	5902	9902
	1093	1543	2273	5903	9903
	1094	1544	2274	5904	9904
	1095	1545	2275	5905	9905
	1096	1546	2276	5906	9906
	1097	1547	2277	5907	9907
	1098	1548	2278	5908	9908
	1099	1549	2279	5909	9909
	1180	1630	2360	6090	0090
	1181	1631	2361	6091	0091