Hash TABLE work sheet

HASH Function:

1. convert the 3 char's to their 3 ASCII codes (giving 3 int's, all between 65 to 90, inclusive)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90

- 2. multiply those 3 numbers together (giving a number between 65*65*65=274,625 through 90*90*90=729,000)
- 3. use the famous "division-remainder" algorithm to get homeAddress
 (i.e., use the remainder (the % operator) from dividing step #2 result by MAX_N_HOME_LOC)
 (giving a number between 0 and MAX_N_HOME_LOC 1, inclusive)
- 4. return that as the homeAddress

Country	DRP	3 ASCII codes	Multiplied	Home
Code	(not ID)		together	Address
MEX	12			
CHN	23			
JPN	13			
USA	6			
FRA	19			
BEL	27			
GBR	2			
HTI	9			
VEN	14			
NIC	10			
POL	20			
YEM	30			
EGY	1			
LBN	3			
IND	15			
OMN	16			
DEU	24			
SOM	11			
WSM	7			
KEN	17			
XVI	4			
QAT	5			
ZWE	18			
RUS	8			
TCA	29			
ATA	21			

This structure is NOT in memory – it's just a worksheet to determine HOME ADDRESS (based on HashFunction)