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 Code	DRP (ID)	3 ASCII codes	Multiplied together	Home Address
MEX	12	77 * 69 * 88	467,544	4
CHN	3	67 * 72 * 78	376,272	12
JPN	9			0
USA	6			15
FRA	19			0
BEL	27			4
GBR	17			12
HTI	30			4
VEN	22			12
NIC	31			18
POL	20			0
YEM	24			17
EGY	15			11
LBN	32			8
IND	4			12
OMN	33			14
DEU	13			0
SOM	28			9
WSM	36			17
KEN	21			10
XVI	1			4
QAT	35			0
ZWE	25			10
RUS	8			10
TCA	37			0
ATA	39			0

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