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Q1. Constrained Insertion with at least 5 different testset (p.26)

```
#define _CRT_SECURE_NO_WARNINGS// or scanf_s
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
#include <string.h>
#include <time.h>
#include <ctype.h>
#define TEST_NUM 5
  struct EMPLOYEE {
         char RRN[14];//constraint , unique
         char name[20];
         float salary;// constraint , salary>bonus
         float bonus;
} employee[1000];
int main() {
        char TEST RRN[TEST NUM][14] =
{ "0203693508127"}, {"0203693508127"}, {"0203693508128"}, {"0223493508127"}, {"1203693588
127"} };
         char TEST_NAME[TEST_NUM][20] =
{ "Hanungjae"}, {"choikim"}, {"umjunsick"}, {"KiM"}, {"KIee"}};
float TEST_SALARY[TEST_NUM] = {2000,2200,2250,2030,2600};
        float TEST_BONUS[TEST_NUM] = {1000,1500,2500,1800,1900};
         int struct_array_num = 0;
         for (int i = 0; i < TEST_NUM;i++) {</pre>
                 printf("
                                 _TEST_NUM[%d]_
                                                      n'', i + 1);
                 printf("RRN : %s\n", TEST_RRN[i]);
printf("NAME : %s\n", TEST_NAME[i]);
                 printf("SALARY : %f\n", TEST_SALARY[i]);
printf("BONUS : %f\n", TEST_BONUS[i]);
                 int error = 0;
                 for (int k = 0; k < struct_array_num; k++) //unique_test</pre>
                          if (TEST_RRN[i][0] == employee[k].RRN[0]) {
                                   int same = 0;
                                   for (int r = 0; r < strlen(employee[k].RRN); r++) {</pre>
                                            if (TEST_RRN[i][r] == employee[k].RRN[r]) {
                                                     same++;
                                            }
                                            if (same == strlen(employee[k].RRN)) {
                                                     error++;
                                                     printf("ERROR : RRN[%s] IS SAME WITH
RRN[%s]\n",TEST_RRN[i], employee[k].RRN);
                                            }
                                   }
                          }
                 if (TEST_SALARY[i] < TEST_BONUS[i]) //bonus_test</pre>
                          error++;
```

return 0;