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## Source codes & Comment

// 아래 네모 안에 코드를 복사하여 붙일 것

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| #define \_CRT\_SECURE\_NO\_WARNINGS  #include <stdio.h>  #include <string.h>  /\*  file name : [0930] Practice Result  author : 202135789 신채운  date : 10/3  Course : Problem Solving Methods  description :  -Store the dataset in a struct array(Each line contains name,age and hobby)  -create an index (struct array) by name in the order in the dataset  -For names(Lee and Park),do the following:  (\*You should write a function and call it twice , once lee, once Park)  -Search the index for a name,and find and print the (name) age and hobby in the dataset corresponding to the name.  \*/  struct dataset {  char name[10];  int age;  char hobby[10];  };  struct {  char name[10];  }index[5];  struct dataset dataset[5];  void search(char[]);  void main() {  strcpy(dataset[0].name, "Kim"); // store dataset  dataset[0].age = 39;  strcpy(dataset[0].hobby, "Tennis");  strcpy(dataset[1].name, "Ko");  dataset[1].age = 15;  strcpy(dataset[1].hobby, "Soccer");  strcpy(dataset[2].name, "Lee");  dataset[2].age = 17;  strcpy(dataset[2].hobby, "Soccer");  strcpy(dataset[3].name, "Choi");  dataset[3].age = 21;  strcpy(dataset[3].hobby, "Tennis");  strcpy(dataset[4].name, "Park");  dataset[4].age = 10;  strcpy(dataset[4].hobby, "Tennis");  for (int i = 0; i < 5; i++) {  strcpy(index[i].name, dataset[i].name);  }  char partner[10];  printf("\nPlease type name: ");  gets\_s(partner);  search(partner); //first function call  printf("\nPlease type name: ");  gets\_s(partner);  search(partner); // second function call  }  void search(char partner[10]) {  for (int i = 0; i < 5; i++) {  if (strcmp(partner, index[i].name) == 0) {  printf("Name: %s / Age: %d / Hobby: %s", dataset[i].name, dataset[i].age, dataset[i].hobby);  }  else {  continue;  }  }  } |

## Inspect the program (testing)

// 자가 점검 후 네모 안에 v표시

🗹 Check loop, if else, switch, function.

🗹 Check variable initialization.

🗹 Check pointers.

## Test cases & Output (Screenshots)

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| # | Input:Lee / Park |
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