customer

Write a C program that repeatedly reads in customer data from the user and prints the customer data on the screen until the customer name "End Customer" (i.e., first_name last_name) is read. Your program should include the following two functions: the function nextCustomer() reads and returns a record for a single customer to the caller via a pointer parameter *acct*, and the function printCustomer() takes a parameter *acct* and then prints the customer information. The prototypes of the two functions are given below:

```
void nextCustomer(struct account *acct);
void printCustomer(struct account acct);
```

The structure definition for **struct account** is given below:

```
struct account {
   struct
   {
      char lastName[10];
      char firstName[10];
   } names;
   int accountNum;
   double balance;
};
```

A sample program template is given below to test the functions:

```
#include <stdio.h>
#include <string.h>
struct account {
   struct
   {
      char lastName[10];
      char firstName[10];
   } names;
   int accountNum;
   double balance;
};
void nextCustomer(struct account *acct);
void printCustomer(struct account acct);
int main()
{
   struct account record;
   int flag = 0;

   do {
      nextCustomer(&record);
      if ((strcmp(record.names.firstName, "End") == 0) &&
          (strcmp(record.names.lastName, "Customer") == 0))
         flag = 1;
      if (flag != 1)
         printCustomer(record);
   } while (flag != 1);
}
void nextCustomer(struct account *acct)
{
   /* Write your code here */
}
void  printCustomer(struct account acct)
{
   /* Write your code here */
}
```

Some sample input and output sessions are given below:

(1) Test Case 1:
```
Enter names (firstName lastName):
SC Hui
Enter account number:
123
Enter balance:
6789.89
Customer record:
SC Hui 123 6789.89
Enter names (firstName lastName):
End Customer
```

(2) Test Case 2:
```
Enter names (firstName lastName):
SC Hui
Enter account number:
123
Enter balance:
6789.89
Customer record:
SC Hui 123 6789.89
Enter names (firstName lastName):
FY Tan
Enter account number:
13
Enter balance:
69.89
Customer record:
FY Tan 13 69.89
Enter names (firstName lastName):
End Customer
```

(3) Test Case 3:
```
Enter names (firstName lastName):
End Customer
```