

Ex.No.9	Usage of Structures	Reg.No: URK22CS1200
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a) Write a program to create a customer structure named CUST having the member elements such as

1. custID,
2. custNAME,
3. contactNO,
4. custADDRESS,
5. custDOB,
6. custAGE,
7. custMAXAMT

Aim:
To create a customer structure

Algorithm:
Step 1: Start the program.
Step 2: char custNAME[50],custADDRESS[50],custDOB[40]; custID,custAGE long int contactNO; Step 3: copy the strings
Step 4: Print the strings given
Step 5: Stop the Program.

Program:
#include <stdio.h>
struct cust
{
int custID;
char custNAME[50];
long contactNO;
char custADDRESS[50];
char custDOB[50];
int custAGE;
int custMAXAMT;
};
int main()
{
int i,n;

```

struct cust P[10];
printf("Enter the number of person details to store:");
scanf("%d",&n);
for (i=0;i<=n-1;i++)
{
printf("Enter Customer ID,Name of the customer,Contact Number,Address,Date of Birth,Age of the customer and Maximum amount\n");
scanf("%d%s%ld%s%s%d%d",&P[i].custID,P[i].custNAME,&P[i].contactNO,P[i].custADDRESS,P[i].custDOB,&P[i].custAGE,&P[i].custMAXAMT);
}
printf("\t****CUSTOMER DETAILS****\n");
printf("\nCUSTOMER ID\tNAME\t\tCONTACT NUMBER\t\tADDRESS\t\tDATE OF BIRTH\t\tAGE\t\tMAX. AMOUNT\n");
for(i=0;i<=n-1;i++)
{
printf("\n%d\t\t%s\t\t%ld\t\t%s\t\t%s\t\t%d\t\t%d\t\t",P[i].custID,P[i].custNAME,P[i].contactNO,P[i].custADDRESS,P[i].custDOB,P[i].custAGE,P[i].custMAXAMT);
}
printf("\n\t*****END*****\n");
}

```

Output:

```

[urk22csi200@code ~]$ gcc exp9.c
[urk22csi200@code ~]$ ./a.out
Enter the number of person details to store:1
Enter Customer ID,Name of the customer,Contact Number,Address,Date of Birth,Age of the customer and Maximum amount
1
Evalt
9842110180
chennai
20012004
20
2000000
    ****CUSTOMER DETAILS****
CUSTOMER ID      NAME          CONTACT NUMBER      ADDRESS          DATE OF BIRTH      AGE          MAX. AMOUNT
1                Evalt          9842110180          chennai          20012004          20          2000000
    *****END*****
[urk22csi200@code ~]$
[urk22csi200@code ~]$ 

```

Result:

This program is executed successfully and the customer structure is obtained.

