**ASSIGNMENT 12**

**/\*Program to demonstrate the memory allocation for structures using online shopping as structure**

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#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct shopping

{

char name[30];

int accno;

float amt;

int pid;

};

void main()

{

struct shopping s1;

int a;

a=sizeof(s1);

printf("\nSize of whole structure is: %d",a);

printf("\n\nSize of s1.name is :%d",sizeof(s1.name));

printf("\n\nSize of s1.accno is :%d",sizeof(s1.accno));

printf("\n\nSize of s1.amt is :%d",sizeof(s1.amt));

printf("\n\nSize of s1.pid is :%d",sizeof(s1.pid));

printf("\n\nEnter your name: ");

gets(s1.name);

printf("\nEnter your account number:");

scanf("%d",&s1.accno);

printf("\nEnter amount to be paid:");

scanf("%f",&s1.amt);

printf("\nEnter the product code of your choice:");

scanf("%d",&s1.pid);

printf("\n\naddress of entered name is: %2u and name is %s",s1.name,s1.name);

printf("\n Address of entered account number is: %u and account number is: %d",&s1.accno, s1.accno);

printf("\n Address of entered amount to be paid is : %u and value is: %f",&s1.amt, s1.amt);

printf("\n Address of entered product code is : %u and value is %d\n\n",&s1.pid, s1.pid);

}

