

Data Structure ESE

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1. Program based on Structure and Pointer.

Code:

```
#include<stdio.h>

struct book{
    int No_pages;
    char name[20];
    char author_name[20];
    float price;
    float purchase;
};

void display(struct book *b){
    printf("\n***** The book Information *****\n");
    printf("_____");
    printf("\nName          : %s",b->name);
    printf("\nAuthor Name   : %s",b->author_name);
    printf("\nPrice         : %2.f",b->price);
    printf("\nNo of Pages   : %d",b->No_pages);
    printf("\nThe No.of Purchase of books : %2.f",b->purchase);
    printf("\n_____ \n");
}

int main(){
```

```
struct book *b1,*b2;

scanf("%s",&b1->name);
scanf("%s",&b1->author_name);
scanf("%f",&b1->price);
scanf("%d",&b1->No_pages);
scanf("%f",&b1->purchase);

display(b1);

scanf("%s",&b2->name);
scanf("%s",&b2->author_name);
scanf("%f",&b2->price);
scanf("%d",&b2->No_pages);
scanf("%f",&b2->purchase);

display(b2);
}
```

INPUT:

```
1)My_Journey
   Dr.A.P.J.Abdul_Kalam
   200
   450
   234
2)Output
   Mr.Bean
   345
   23
   567
```

OUTPUT:

```

  OUTPUT    DEBUG CONSOLE    TERMINAL

Windows PowerShell
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PS C:\Users\sai\Desktop\dsa> cd "c:\Users\sai\Desktop\dsa\" ; if ($?) {
My_Journey
Dr.A.P.J.Abdul_Kalam
200
450
23

***** The book Information *****
-----
Name           : My_Journey
Author Name    : Dr.A.P.J.Abdul_Kalam
Price          : 200
No of Pages    : 450
The No.of Purchase of books : 23

```