

# PROJECT SUBMISSION

**Write a C program to create a list of software application details. The details of application include name, author, version, publishing year , price**

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# PROBLEM STATEMENT

**Write a C program to create a list of software application details. The details of application include name, author, version, publishing year , price**

- Perform the following with respect to the list of application created.
- a) Display all the details of application by a given author.
- b) Sort the details of application in the increasing order of price.
- c) Display the details of applications published by a given publisher in a given year.
- d) Sort the list of applications in the increasing order of two fields , author and publishing year of the books.

# SOTWARE

- C Programming Language

# ALGORITHM

- ◉ Step 1:start the program
- ◉ Step 2:include the header files
- ◉ Step 3:create the structure and declare the name,author name,year,version,price
- ◉ Step 4:In main funtion access the members of structure
- ◉ Step 5:In switch statement,case-1,use strcmp to compare the author name==0

- Step 6:

```
for(int i=0; i<n; i++)  
{  
  for(int j=i+1; j<n; j++)  
  {  
    if(a.price[i]>a.price[j])  
    {  
      book temp=a.books[i];  
      a.price[i]=price[j];  
      a.price[j]=price[i];  
      a.price[i]=temp;  
    }  
  }  
}
```

- Step 7:End the program

# SAMPLE CODE

```
1  #include<stdio.h>
2  #include<conio.h>
3  #include<string.h>
4  struct application
5  {
6  int year;
7  char name[30];
8  char author[30];
9  int version, price;
10 };
11 main()
12 {
13 char authorname[30];
14 int n,i;
15 for(i=0; i<=n; i++){
16 struct application a;
17 printf("Enter book name:");
18 scanf("%s",&a.name[i]);
19 printf("Enter the author");
20 scanf("%s",a.author[i]);
21 printf("Enter year:");
22 scanf("%d",&a.year[i]);
```

THANK YOU