

Problem Statement:

Write a c program that would sort a list of names in alphabetical order.

```
#include<stdio.h>
#include<conio.h>
#define ITEMS 5
#define MAXCHAR 20
void main()
{
char string[ITEMS][MAXCHAR],dummy[MAXCHAR];
int i=0,j=0;
printf("enter names of %d persons",ITEMS);
while(i<ITEMS)
scanf("%s",string[i++]);
for(i=1;i<ITEMS;i++)
{
for(j=1;j<ITEMS-i;j++)
{
if(strcmp(string[j-1],string[j]>0))
{
strcpy(dummy,string[j-1]);
strcpy(string[j-1],string[j]);
strcpy(string[j],dummy);
}
}
}
printf("alphabetical list");
for(i=0;i<ITEMS;i++)
printf("%s",string[i]);
}
```

OUTPUT:

enter names of 5 persons

Anmol

murugan

renuka

devi

shri

alphabetical list

Anmol

devi

murugan

renuka

shri