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ROLL NO: 21006

EXPERIMENT NO:19

PROGRAM:

#include<stdio.h>

#include<conio.h>

#include<string.h>

void main()

{

char \*names[20],name[20];

int i,n,j,f;

char \*temp,ch;

clrscr();

printf("\n Enter the no of names you want to enter:");

scanf("%d",&n);

for(i=0;i<=n;i++)

names[i]=(char \*)malloc(20\*sizeof(char));

printf("\n Enter the names\n:");

for(i=0;i<=n;i++)

gets(names[i]);

for(i=0;i<=n;i++)

{

for(j=i+1;j<=n;j++)

{

if(\*names[i]>\*names[j])

{

temp=names[i];

names[i]=names[j];

names[j]=temp;

}

}

}

printf("\n The sorted list of names:\n");

for(i=0;i<=n;i++)

puts(names[i]);

printf("\n Enter the name you want to search:");

gets(name);

for(i=0;i<=n;i++)

{

if(strcmp(names[i],name)==0)

{

f=1;

break;

}

else

f=0;

}

if(f==1)

printf("\n The name is in the list");

else

printf("\n The name is not in the list");

printf("\n Enter a character:");

scanf("%c",&ch);

printf("\n Names starting with %c:",ch);

for(i=0;i<=n;i++)

if(names[i][0]==ch)

puts(names[i]);

getch();

}

OUTPUT:

Enter the no of names you want to enter:3

Enter the names:

arun

jerin

adhil

The sorted list of names:

arun

adhil

jerin

Enter the name you want to search:jerin

The name is in the list

Enter a character:a

Names starting with a:

arun

adhil