#include<stdio.h>

int main()

{

int a[20],n,i,j,temp;

printf("Enter the number of elements :"); scanf("%d",&n);

printf("Enter %d integers :",n);

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

{

scanf("%d",&a[i]);

}

for(i=0;i<n-1;i++)

{

for(j=0;j<n-1-i;j++)

{

if(a[j] > a[j+1])

{

temp=a[j]; a[j]=a[j+1];

a[j+1]=temp;

}

}

}

printf("The sorted array is ....\n");

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

{

printf("%d\t",a[i]);

}

printf("\n"); return 0;

}

#include <stdio.h>

int str\_length(char []); int str\_compare(char [], char []); void str\_concat(char [], char []);

int main()

{

char str[50]; char str1[50], str2[50];

char str\_des[100], str\_src[50];

int length, comp\_res;

printf("\nEnter a string :"); scanf("%s",str);

length = str\_length(str);

printf("The length of %s is %d\n",str,length);

printf("\nEnter two strings for string compare :"); scanf("%s%s",str1,str2);

comp\_res=str\_compare(str1,str2);

if (comp\_res < 0)

{

printf("String \"%s\" is less than string \"%s\"\n",str1,str2);

}

else if (comp\_res == 0)

{

printf("String \"%s\" is same as string \"%s\"\n",str1,str2);

}

else

{

printf("String \"%s\" is greater than string \"%s\"\n", str1,str2);

}

printf("\nEnter two strings for string concatenation :"); scanf("%s%s",str\_des,str\_src);

str\_concat(str\_des,str\_src);

printf("The string after concatenation is \"%s\"\n", str\_des);

return 1;

}

int str\_length(char s[])

{

int i;

for(i=0;s[i]!='\0';i++);

return i;

}

int str\_compare(char s1[], char s2[])

{

int i,j;

for(i=0,j=0;(s1[i] != '\0' && s2[j] != '\0');i++,j++)

{

if (s1[i] != s2[j])

{

return (s1[i] - s2[j]);

}

}

if (s1[i] == '\0' && s2[j] == '\0')

{

return 0;

}

else if(s1[i] == '\0' || s2[i] == '\0')

{

return (s1[i] - s2[i]);

}

}

void str\_concat(char s1[], char s2[])

{

int i,j;

for(i=0;s1[i] != '\0';i++);

for(j=0;s2[j] != '\0';i++,j++)

{

s1[i] = s2[j];

}

s1[i] = '\0';

}

Output :

$ cc string.c

$ ./a.out

Enter a string :cgirish

The length of cgirish is 7

Enter two strings for string compare:c

girish

string “c” is less than string “girish”

enter two strins for string concatenation :c

girish

the string after concatenation is “cgirish”