```c
#include <stdio.h>
#include<string.h>
int main(){
char str1[100],str2[100];
printf("enter the string 1:");
scanf("%s",str1);
printf("enter the string 2:");
scanf("%s",str2);
int result=strcmp(str1,str2);
if(result==0){
  printf("the strings are equal");
}
else if(result<0){
  printf("%s comes before %s lexicographically\n",str1,str2);
}
else{
  printf("%s comes after %s lexicographically\n",str1,str2);
}
}
```