练习 12

第 5 题:

源代码:

```
#include<stdio.h>

int str_len(char *p){
    int k=0;
    while(*(p+k)!='\0'){
        k++;}
    return k;
}
void main(int argc,char *argv[]){
    int length;
    length=str_len(argv[1]);
    printf("%d\n",length);
}
```

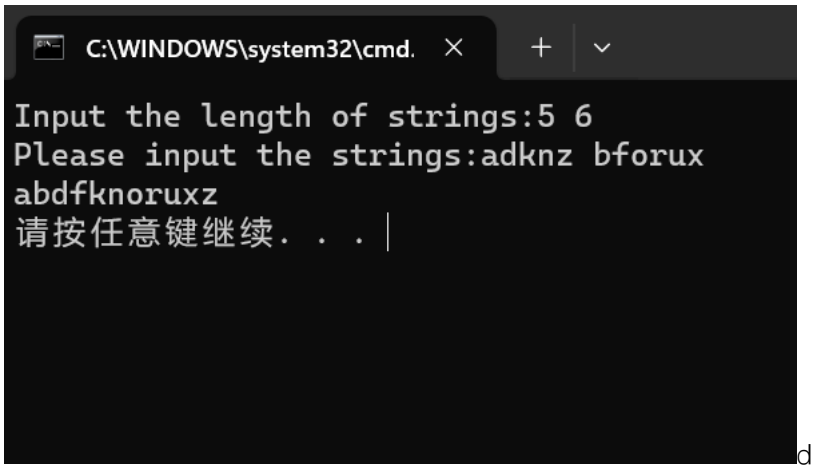
本地 Windows 调试器

命令	$(TargetPath)
命令参数	Cyuyan
工作目录	$(ProjectDir)
附加	否
调试器类型	自动
环境	
合并环境	是
SQL 调试	否

第 8 题:
源代码:

```
#include<stdio.h>
#include<stdlib.h>
void main(){
    char *s1,*s2,*s3;
    int m,n,i,j=0,k=0;
    printf("Input the length of strings:");
    scanf("%d%d",&m,&n);
    s1=(char*)malloc(sizeof(char)*(m+1));
    s2=(char*)malloc(sizeof(char)*(n+1));
    s3=(char*)malloc(sizeof(char)*(m+n+1));
    if(s1==NULL||s2==NULL||s3==NULL){
        printf("Can't get memory!\n");
        exit(1);
    }
    printf("Please input the strings:");
    scanf("%s%s",s1,s2);
    for(i=0;i<n;i++){
        while(s1[j]<=s2[i]&&j<m){
            s3[k]=s1[j];
            j++;
           k++;}
        s3[k]=s2[i];
        k++;
       }
    for(;j<m;j++){
        s3[k]=s1[j];
        k++;}
        s3[m+n]='\0';
    printf("%s\n",s3);
     free(s3);
     free(s2);
      free(s1);
}
```

结果：



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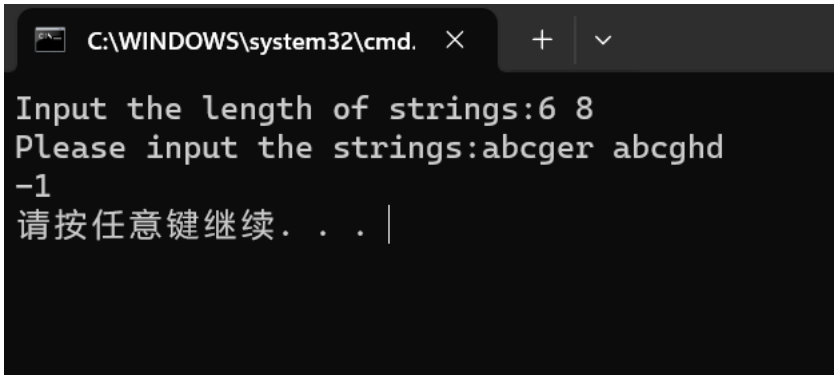
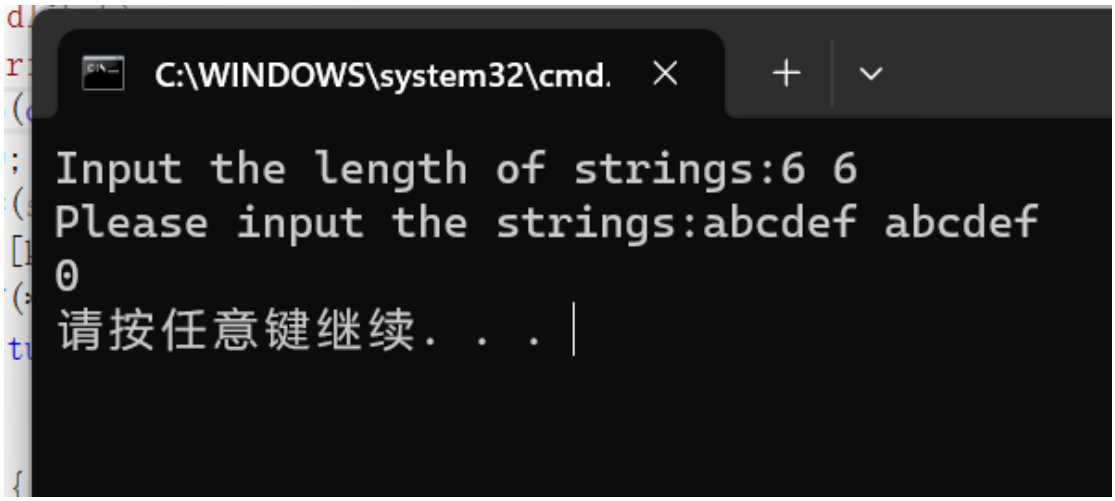
第 10 题

代码:

```
#include<stdio.h>
#include<stdlib.h>
#include<string.h>
int str_cmp(char*str1,char*str2){
    int k=0;
    while(*(str1+k)==*(str2+k)&&k<(strlen(str1))&&k<(strlen(str2))) k++;
    if(str1[k]=='\0'&&str2[k]=='\0') return 0;
    else if(*(str1+k)>*(str2+k)) return 1;
    else return -1;
}

void main(){
    char *s1,*s2;
    int m,n,a;
    printf("Input the length of strings:");
    scanf("%d%d",&m,&n);
    s1=(char*)malloc(sizeof(char)*(m+1));
    s2=(char*)malloc(sizeof(char)*(n+1));
    if(s1==NULL||s2==NULL){
        printf("Can't get memory!\n");
        exit(1);
    }
    printf("Please input the strings:");
    scanf("%s%s",s1,s2);
    a=str_cmp(s1,s2);
    printf("%d\n",a);
    free(s2);
    free(s1);
}
```





第 13 题

排序函数代码:

```
void bubsort(char*str[],int n){
    int k,m,j,i;
    char*p;
    k=0;
    m=n-1;
    while(k<m){
        j=m-1;m=0;
        for(i=k;i<=j;i++)
        if(strcmp(str[i],str[i+1])>0){
            p=str[i];
            str[i]=str[i+1];
            str[i+1]=p;
            m=i;
        }
      j=k+1;k=0;
      for(i=m;i>=j;i--)
          if(strcmp(str[i-1],str[i])>0){
              p=str[i-1];
            str[i-1]=str[i];
```

```
            str[i]=p;
            k=i;
          }}
}
```

完整代码：

```
#include<stdio.h>
#include<string.h>

void bubsort(char*str[],int n){
    int k,m,j,i;
    char*p;
    k=0;
    m=n-1;
    while(k<m){
        j=m-1;m=0;
        for(i=k;i<=j;i++)
        if(strcmp(str[i],str[i+1])>0){
            p=str[i];
            str[i]=str[i+1];
            str[i+1]=p;
            m=i;
        }
      j=k+1;k=0;
      for(i=m;i>=j;i--)
          if(strcmp(str[i-1],str[i])>0){
              p=str[i-1];
            str[i-1]=str[i];
            str[i]=p;
            k=i;
          }}
}

void main(){
    char *s[9]={"zhang","gou","xu","zheng","mao","zhao","li","bai","qing"};
    int i;
    for(i=0;i<9;i++)
        printf("%s ",s[i]);
        printf("\n");
    bubsort(s,9);
    for(i=0;i<9;i++)
        printf("%s ",s[i]);
        printf("\n");
    }
```

结　　果　　：


C:\WINDOWS\system32\cmd.
zhang gou xu zheng mao zhao li bai qing
bai gou li mao qing xu zhang zhao zheng
请按任意键继续. . .