

1.2.4

```

1  #include<stdio.h>
2  int length(char*a);
3  void copystr(char*a,char*b,int n);
4  void cat(char*a,char*b);
5  int main(){
6      char a[100],b[100];
7      gets(a);
8      gets(b);
9      printf("la=%d lb=%d\n",length(&a[0]),length(&b[0]));
10     copystr(&a[0],&b[0],6);
11     printf("a=%s\nb=%s\n",a,b);
12     cat(a,b);
13     printf("a=%s\nb=%s\n",a,b);
14 }
15 int length(char*a){
16     int cnt=0;
17     while(a[cnt]!='\0'){
18         cnt++;
19     }
20     return cnt;
21 }
22 void copystr(char*a,char*b,int n){
23     int la=length(a),lb=length(b);
24     for(int i=0;i<la;i++){
25         if(i<lb-n)
26             *(a+i)=*(b+n+i);
27         else
28             *(a+i]='\0';
29     }
30 }
31 void cat(char*a,char*b){
32     int la=length(a),lb=length(b);
33     for(int i=0;i<lb;i++){
34         *(a+la+i)=*(b+i);
35     }
36 }

```

```

sunkai@sunkaideMac
n/T/" && gcc tempC
yp0d5rv5tkc4bm2prs
warning: this prog
Hello,Jack.
Hello,Mary.
la=11lb=11
a=Mary.
b=Hello,Mary.
a=Mary.Hello,Mary.
b=Hello,Mary.

```

3.

```
1  #include<stdio.h>
2  int main(){
3      int n,a[99];
4      printf("enter the number of all intergers:");
5      scanf("%d",&n);
6      int*b=a;
7      for(int i=0;i<n;i++){
8          scanf("%d",b+i);
9      }
10     for(int i=n-1;i>=0;i--){
11         printf("%d ",*(b+i));
12     }
13 }
```

```
● sunkai@sunkaideMacBook-Pro T % cd "/\
"/var/folders/bm/zgg2yp0d5rv5tkc4bm2;
enter the number of all intergers:6
12 23 34 45 56 67
67 56 45 34 23 12 %
```

5.

```
1  #include<stdio.h>
2  void exchange(int n,int*a);
3  int main(){
4      int n,a[99];
5      printf("enter the number of all intergers:");
6      scanf("%d",&n);
7      int*b=a;
8      for(int i=0;i<n;i++){
9          scanf("%d",b+i);
10     }
11     exchange(n,&a[0]);
12     for(int i=0;i<n;i++){
13         printf("%d",*(b+i));
14     }
15 }
16 void exchange(int n,int*a){
17     int m;
18     int cntl=0,cntr=0;
19     for(int i=0;i<n;i++){
20         if(*(a+i)<*(a+cntl))
21             cntl=i;
22         if(*(a+i)>*(a+cntr))
23             cntr=i;
24     }
25     m=*a;
26     *a=*(a+cntr);
27     *(a+cntr)=m;
28     m=*(a+n-1);
29     *(a+n-1)=*(a+cntl);
30     *(a+cntl)=m;
31 }
```

- s Open folder in
"/var/folders/br
enter the number
2 4 5 3 1 6
645321%