

1.

```

1  #include<stdio.h>
2  int main(){
3      char c='F';
4      for(int i=1;i<=6;i++){
5          for(int j=0;j<i;j++){
6              printf("%c",c-j);
7              printf("\n");
8          }
9      return 0;
10 }

```

● sunkai@sunkaideMacBook-  
"/var/folders/bm/zgg2yp  
F  
FE  
FED  
FEDC  
FEDCB  
FEDCBA

2.

```

1  #include<stdio.h>
2  #include<math.h>
3  int main(){
4      int n;
5      double a=0,b=0;
6      printf("enter the operation time:");
7      scanf("%d",&n);
8      for(int i=1;i<=n;i++){
9          a=a+1.0/i;
10         b=b+pow(-1,i+1)*1.0/i;
11     }
12     printf("the sum of two series are %lf and%lf seperately",a,b)
13     return 0;
14 }

```

- sunkai@sunkaideMacBook-Pro T % cd "/var/folders/bm/zgg2yp0c  
"/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000gn/T/"tempCode  
enter the operation time:100  
the sum of two series are 5.187378 and0.688172 seperately%
- sunkai@sunkaideMacBook-Pro T % cd "/var/folders/bm/zgg2yp0c  
"/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000gn/T/"tempCode  
enter the operation time:1000  
t .692647 seperately%
- s [Open folder in new window \(cmd + click\)](#) /folders/bm/zgg2yp0c  
"/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000gn/T/"tempCode  
enter the operation time:10000  
the sum of two series are 9.787606 and0.693097 seperately%

3.

```
#include<stdio.h>
int main(){
    char c;
    printf("Plz enter a capital letter:");
    scanf("%c",&c);
    int n=c-'A'+1;
    int bl=c-'A';// 空格控制
    for(int i=1;i<=(n);i++){
        for(int j=1;j<=bl;j++)//输出空格
            printf(" ");
        int num=-1;//控制行字母
        char a='A';
        for(int j=1;j<=i;j++){//升序
            num++;
            printf("%c",a+num);
        }
        for(int j=1;j<i;j++){//降序
            num--;
            printf("%c",a+num);
        }
        printf("\n");
    }
}
```

```
● sunkai@sunkaideMacBook-Pro T %
"/var/folders/bm/zgg2yp0d5rv5t
Plz enter a capital letter:F
A
ABA
ABCBA
ABCDcba
ABCDEDCBA
ABCDEFEDCBA
```

4.

```
1  #include<stdio.h>
2  int main(){
3      int a,b;
4      while(1){
5          int cnt=0;
6          printf("Enter lower and upper integer limits:");
7          scanf("%d %d",&a,&b);
8          if(a==b){
9              printf("Done");
10             break;
11         }
12         for(int i=a;i<=b;i++)
13             cnt+=i*i;
14         printf("The sums of the squares from %d to %d is %d\n",a,b,cnt);
15     }
16     return 0;
17 }
```

- sunkai@ Open folder in new window (cmd + click) rs/bm/zgg2  
le && "/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000qn/T  
Enter lower and upper integer limits:5 9  
The sums of the squares from 5 to 9 is 255  
Enter lower and upper integer limits:3 25  
The sums of the squares from 3 to 25 is 5520  
Enter lower and upper integer limits:5 5  
Done%
- sunkai@sunkaideMacBook-Pro T %

5.

```

1  #include<stdio.h>
2  int main(){
3      int a=0,b=0,c=0,d=31,e=12,f=99;
4      while(1){
5          printf("Enter a date (mm/dd/yy):");
6          scanf("%d/%d/%d",&a,&b,&c);
7          if(a==0&&b==0&&c==0)
8              break;
9          if(c<f){
10             f=c;
11             e=b;
12             d=a;
13         }
14         if(c==f){
15             if(a<d){
16                 e=b;
17                 d=a;
18             }
19             if(a==d){
20                 if(b<e)
21                     e=b;
22             }
23         }
24     }
25     printf("%d/%d/%02d is the earliest date",d,e,f);
26     return 0;
27 }

```

- sunkai@sunkaideMacBook-Pro #include  
<stdio.h>.dSYM/" && gcc tempCodeRun  
kai/#include <stdio.h>.dSYM/"tempC  
Enter a date (mm/dd/yy):4/3/05  
Enter a date (mm/dd/yy):5/4/23  
Enter a date (mm/dd/yy):4/15/04  
Enter a date (mm/dd/yy):3/31/25  
Enter a date (mm/dd/yy):4/2/02  
Enter a date (mm/dd/yy):0/0/0  
4/2/02 is the earliest date%

