

```

1  #include<stdio.h>
2  int main(){
3      int a,b,c;
4      printf("Enter two integers:");
5      scanf("%d %d",&a,&b);
6      while(b!=0){
7          c=a%b;
8          a=b;
9          b=c;
10     }
11     printf("Greatest common divisor:%d",a2);
12     return 0;

```

sunkai@sunkaideMacBook-Pro T  
 n/T/" && gcc tempCodeRunnerF  
 yp0d5rv5tkc4bm2prss80000gn/T  
 Enter two integers:28 14  
 Greatest common divisor:14%

```

1  #include<stdio.h>
2  int main(){
3      int a,b;
4      printf("Enter number of days in month:");
5      scanf("%d",&a);
6      printf("Enter starting day of the week(1=Sun,7=sat):");
7      scanf("%d",&b);
8      for(int i=1;i<b;i++){
9          printf("  ");
10     b--;
11     for(int i=1;i<=a;i++){
12         if(i<10)
13             printf(" %d ",i);
14         else
15             printf("%d ",i);
16         b++;
17         if(b==7){
18             printf("\n");
19             b=0;
20         }
21     }
22     return 0;
23 }

```

```

Enter number of days in month:31
Enter starting day of the week(1=Sun,7=sat):3
    1  2  3  4  5
  6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 %

```

```

1  #include<stdio.h>
2  int main(){
3      double a=100,b=100;
4      int cnt;
5      while(a>=b){
6          cnt++;
7          a=(0.1*cnt+1)*100;
8          b=b*1.05;
9      }
10     printf("year%d,Daphne%lf,Deirdre%lf",cnt,a,b);
11 }

```

sunkai@sunkaideMacBook-Pro T % cd "/var/fo  
 n/T/" && gcc tempCodeRunnerFile.c -o tempCc  
 yp0d5rv5tkc4bm2prss80000gn/T/"tempCodeRunne  
 year29,Daphne390.000000,Deirdre392.012914%

```

#include<stdio.h>
#include<stdlib.h>
int main(){
    int n=5;
    int cnt=0;
    while(abs(n-150)>1){
        cnt++;
        n-=cnt;
        n=2*n;
        printf("number of friend at week%d=%d\n",cnt,n);
    }
    return 0;
}

```