Ruler

You are ruler over a small country. Your management over a single resource will determine the rise or fall of your nation. For such a short and simple game, there's a surprising amount of challenge to be found. And just when you think you have a grip on the way the game works and act of god can destroy everything you planted that year. Hope you kept your stores stocked. If you can get your kingdom to a point where they can support themselves your people will grant you an early retirement.

Ruler by Stephen Parkes based on a BASIC game for the ZX81 written by A Greenhalgh of Darwen, Lancashire and published in Sinclair User March 1983.

RULER.C	You will need: a C/C++ complier .

```
#include <stdio.h>
#include <stdlib.h>
#include <time.h>

int act_of_god(void)
{
   printf("Our crops failed Sire, perhaps the Gods are angry with us\n");
   return 0;
}

int main()
{
   srand (time(NULL));
   int people = 100;
   int food = 200;

   int sow = 0;
   int eat = 0;

input:
   printf ("%d lbs of food and %d people\nInput food for sowing ",
     food, people);
   scanf("%d", &sow);

   printf("and the amount for our peoples table sire? ");
   scanf("%d", &eat);

   if (sow+eat>food)
   {
       printf("you can't put %d lbs on the tables and sow %dlbs sire this "
       "year,  sire\n", eat, sow);
       goto input;
   }

   people = (eat/people)*(people/2)+eat;
   if (people<10)
   {
       printf("the few people that survived the hard winter have left "
         "for pastures new.\nYour empire has crumbled like many before it and "
         "many that will rise in it's ashes");
       return 0;
   }

   food -= (sow+eat);
   if (rand()%5==0) sow = act_of_god();
   food += (sow*3.5);
   if (people > 1000 && food > 1000)
```

TITLE.C	Listing Continued from page 1….

```
    {
        printf("Sire, your majesty is known throughout the world.\n"
        "Statues are errected in your honour today because our nation is strong "
        "and\nsafe from harm, our nation is currently %d strong and we have "
        "supplies\nof %d to feed us.  We now longer need your guidance in "
        "these matters you\ncan sit in state without vexation on our earthly "
        "matters.\n\nALL HAIL THE KING!", people, food);
        return 0;
    }

    printf("A New Year Dawns\n");
    goto input;
}
```