ChineseHoroscope

Write a program that reads in user input on birth year and prints out the corresponding Chinese horoscope sign. The program allows a user to enquire about horoscope signs until a sentinel value of -1 is used to terminate the process. There is no need to check user input errors. There are 12 signs in the Chinese horoscope. The calculation of a horoscope sign is based on birth year. The 12 Chinese horoscope signs and some of their corresponding years are given below:

		_
Horoscope Sign	Birth Year	
Rat	1972, 1984, 1996	4
Cow	1973, 1985, 1997	5
Tiger	1974, 1986, 1998	6
Rabbit	1975, 1987, 1999	78
Dragon	1976, 1988, 2000	8
Snake	1977, 1989, 2001	9
Horse	1978, 1990, 2002	i
Goat	1979, 1991, 2003	11
Monkey	1980, 1992, 2004	O
Rooster	1981, 1993, 2005	
Dog	1982, 1994, 2006	2
Pig	1983, 1995, 2007	3

A sample program template is given below:

```
#include <stdio.h>
int main()
{
    /* Write your code here */
    return 0;
}
```

Sample input and output sessions are given below:

(1) Test Case 1:

```
Enter your birth year: 1973
chineseHoroscope: Cow
Enter your birth year: 2006
chineseHoroscope: Dog
Enter your birth year: -1
```

(2) Test Case 2:

```
Enter your birth year: 1983 chineseHoroscope: Pig Enter your birth year: 1995 chineseHoroscope: Pig Enter your birth year: 2007
```

```
chineseHoroscope: Pig
Enter your birth year:
2019
chineseHoroscope: Pig
Enter your birth year:
2031
chineseHoroscope: Pig
Enter your birth year:
-1

(3) Test Case 3:
Enter your birth year:
-1
```

```
#include <stdio.h>
int main()
  int year,remainder;
  while(year!=-1)
     printf("Enter your birth year:\n");
     scanf("%d",&year);
     remainder = year%12;
     printf("chineseHoroscope: ");
     if(remainder == 0)
       printf("Monkey\n");
     if(remainder == 1)
       printf("Rooster\n");
     if(remainder == 2)
       printf("Dog\n");
     if(remainder == 3)
       printf("Pig\n");
     if(remainder == 4)
       printf("Rat\n");
     if(remainder == 5)
       printf("Cow\n");
     if(remainder == 6)
       printf("Tiger\n");
     if(remainder == 7)
       printf("Rabbit\n");
     if(remainder == 8)
       printf("Dragon\n");
     if(remainder == 9)
       printf("Snake\n");
     if(remainder == 10)
       printf("Horse\n");
     if(remainder == 11)
       printf("Goat\n");
  return 0;
```