GE23131-Programming Using C-2024

Quiz navigation



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Finish review

Status Finished

Started Monday, 23 December 2024, 5:33 PM

Completed Thursday, 21 November 2024, 7:14 PM

Duration 31 days 22 hours

Question 1

Marked out of

Flag question

Some data sets specify dates using the year and day of year rather than the year, month, and day of month. The day of year (DOY) is the sequential day number starting with day 1 on January 1st.

There are two calendars - one for normal years with 365 days, and one for leap years with 366 days. Leap years are divisible by 4. Centuries, like 1900, are not leap years unless they are divisible by 400. So, 2000 was a leap year.

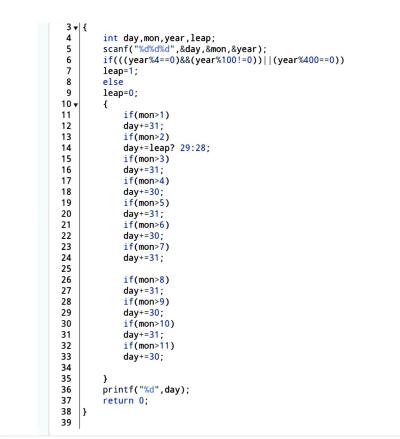
To find the day of year number for a standard date, scan down the Jan column to find the day of month, then scan across to the appropriate month column and read the day of year number. Reverse the process to find the standard date for a given day of year.

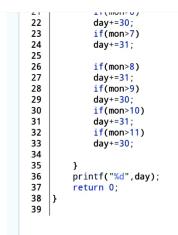
Write a program to print the Day of Year of a given date, month and year.

Sample Input 1

Marked out of 3.00	year (DOY) is the sequential day number starting with day 1 on January 1st.
₱ Flag question	There are two calendars - one for normal years with 365 days, and one for leap years with 366 days. Leap years are divisible by 4. Centuries, like 1900, are not leap years unless they are divisible by 400. So, 2000 was a leap year.
	To find the day of year number for a standard date, scan down the Jan column to find the day of month, then scan across to the appropriate month column and read the day of year number. Reverse the process to find the standard date for a given day of year.
	Write a program to print the Day of Year of a given date, month and year.
	Sample Input 1
	18 6
	2020
	Sample Output 1
	170
	Answer: (penalty regime: 0 %)

```
Answer: (penalty regime: 0 %)
      #include<stdio.h>
      int main()
   3 ₹ {
           int day,mon,year,leap;
           scanf("%d%d%d",&day,&mon,&year);
           if(((year%4==0)&&(year%100!=0))||(year%400==0))
           leap=1;
           else
           leap=0;
  10 ₩
  11
               if(mon>1)
  12
               day += 31;
  13
               if(mon>2)
  14
               day+=leap? 29:28;
  15
               if(mon>3)
  16
               day += 31;
  17
               if(mon>4)
  18
               day += 30;
  19
               if(mon>5)
  20
               day += 31;
  21
               if(mon>6)
  22
               day += 30;
  23
               if(mon>7)
  24
               day += 31;
  25
  26
               if(mon>8)
  27
               day+=31;
  28
               if(mon>9)
  29
               day+=30;
  30
               if(mon>10)
  31
               day+=31;
  32
               if(mon>11)
  33
               day+=30;
  34
  35
```







Question Correct Marked of 5.00	Suppandi is trying to take part in the local village math quiz. In the first round, he is asked about shapes and area Suppandi, is confused, he was never any good at math. And also, he is bad at remembering the names of shapes
₹ Flag q	When he says rectangle he is actually referring to a square.
	When he says square, he is actually referring to a triangle.
	When he says triangle he is referring to a rectangle
	And when he is confused, he just says something random. At this point, all you can do is say 0.
	Help Suppandi by printing the correct answer in an integer.
	Input Format
	Name of shape (always in upper case R à Rectangle, S à Square, T à Triangle)
	Length of 1 side
	Length of other side
	Note: In case of triangle, you can consider the sides as height and length of base
	Output Format

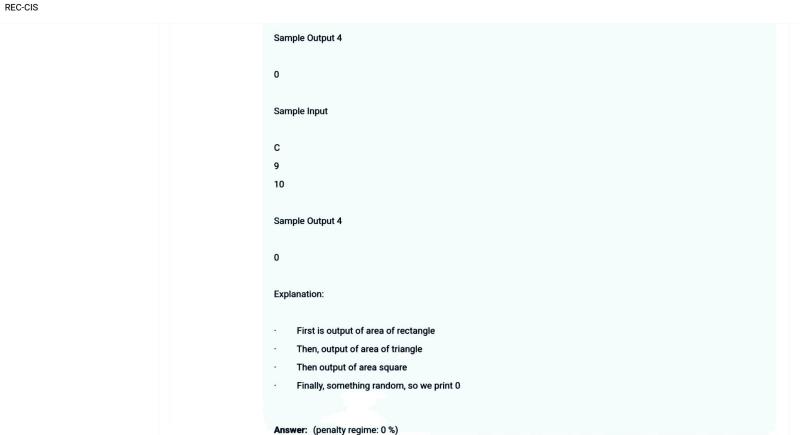
.put i oimut

Print the area of the shape.

REC-CIS		
	· Print the area of the shape.	
	Sample Input 1	
	Т	
	10 20	
	20	
	Sample Output 1	
	200	
	Sample Input 2	
	s	
	30	
	40	
	Sample Output 2	
	600	

REC-CIS	
	600
	Sample Input 3
	R
	10
	Sample Output 3
	100
	Sample Input 4
	G
	8
	8
	Sample Output 4

REC-CIS	
	Sample Input 4
	G
	8
	8
	Sample Output 4
	0
	Sample Input
	С
	9
	10
	Sample Output 4
	0
	Explanation:



```
Answer: (penalty regime: 0 %)
      #include<stdio.h>
      int main()
   3 ▼ {
          char shape;
          int a,b,area;
          scanf("%c",&shape);
          scanf("%d%d",&a,&b);
          if(shape=='R')
   9 ▼
  10
              area=a*b;
  11
              printf("%d",area);
  12
  13
  14
          else if(shape=='S')
  15 ▼
  16
              area=0.5*a*b;
  17
              printf("%d", area);
  18
  19
          else if(shape=='T')
  20 ▼
  21
              area=a*b;
  22
              printf("%d",area);
  23
          else
  24
  25 ▼
  26
              area=0;
  27
              printf("%d",area);
  28
  29
          return 0;
  30
  31
```

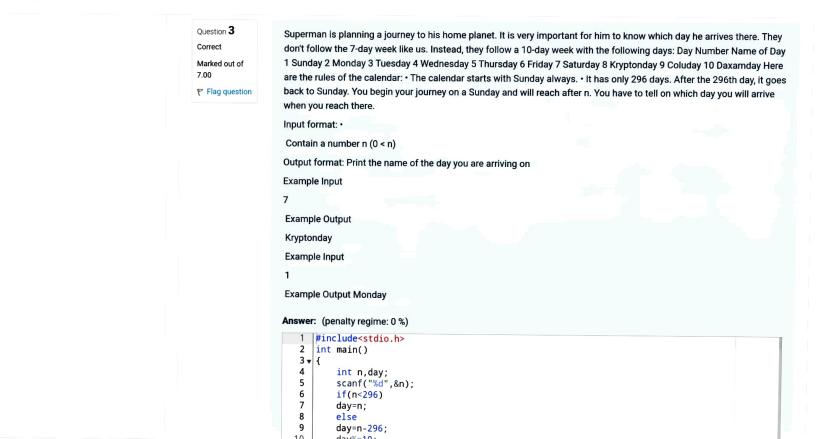
REC-CIS

28 29 return 0; 30 31 Input Expected Got 200 200 ~ 10 20 600 S 600 ~ 30 40 0 В ~ 11 300 ~ R 300 10 30 1000 🗸 S 1000 40 50 Passed all tests! <

26 27

area=0;

printf("%d",area);



```
Answer: (penalty regime: 0 %)
      #include<stdio.h>
      int main()
   2
   3 ₹ {
          int n,day;
          scanf("%d",&n);
          if(n<296)
          day=n;
          else
          day=n-296;
   9
  10
          day%=10;
  11
          day+=1;
  12
          day%=10;
  13
          switch(day)
  14 ▼
  15
               case 1:
  16
               printf("Sunday");
  17
               break;
  18
  19
               case 2:
  20
               printf("Monday");
  21
               break;
  22
  23
               case 3:
  24
               printf("Tuesday");
  25
               break;
  26
  27
               case 4:
  28
               printf("Wednesday");
  29
               break:
  30
  31
               case 5:
  32
               printf("Thursday");
  33
               break;
  34
  25
               caca 6.
```

```
REC-CIS
                                                                   princit moriouy ,,
                                                       21
                                                                   break;
                                                       22
                                                       23
                                                                   case 3:
                                                       24
                                                                   printf("Tuesday");
                                                       25
                                                                   break:
                                                       26
                                                       27
                                                                   case 4:
                                                       28
                                                                   printf("Wednesday");
                                                       29
                                                                   break:
                                                       30
                                                       31
                                                                   case 5:
                                                       32
                                                                   printf("Thursday");
                                                       33
                                                                   break:
                                                       34
                                                       35
                                                                   case 6:
                                                       36
                                                                   printf("Friday");
                                                       37
                                                                   break;
                                                       38
                                                       39
                                                                   case 7:
                                                      40
                                                                   printf("Saturday");
                                                      41
                                                                   break;
                                                      42
                                                      43
                                                                  case 8:
                                                      44
                                                                  printf("Kryptonday");
                                                      45
                                                                  break:
                                                      46
                                                      47
                                                                  case 9:
                                                      48
                                                                  printf("Coluday");
                                                      49
                                                                  break:
                                                      50
                                                      51
```

case 10:

break;

printf("Daxamday");

52

53

```
39
            case 7:
            printf("Saturday");
40
            break;
41
42
43
            case 8:
44
            printf("Kryptonday");
45
            break:
46
47
            case 9:
            printf("Coluday");
48
49
            break:
50
51
            case 10:
52
            printf("Daxamday");
53
            break;
54
55
56 }
```



Finish review