Question 1
Correct
Marked out of 3.00
F Flag question

Write a program to read two integer values and print true if both the numbers end with the same digit, otherwise print false. Example: If 698 and 768 are given, program should print true as they both end with 8. Sample Input 1 25 53 Sample Output 1 false Sample Input 2 27 77 Sample Output 2 true

Answer: (penalty regime: 0 %)

```
#include <stdio.h>
int main()
{
    int a,b;
    scanf("%d %d",&a,&b);
    if(a%10==b%10)
    printf("true");
    else
    printf("false");
}
```

		Input	Expected	Got	
`	/	25 53	false	false	~
•	/	27 77	true	true	~
Pa	assed	d all test	ts! 🗸		

Question **2**Correct
Marked out of 5.00

Frag question

Objective

In this challenge, we're getting started with conditional statements.

Task

Given an integer, $\emph{\textbf{n}}$, perform the following conditional actions:

- · If **n** is odd, print Weird
- · If ${\it n}$ is even and in the inclusive range of ${\it 2}$ to ${\it 5}$, print ${\it Not Weird}$
- · If *n* is even and in the inclusive range of *6* to *20*, print *Weird*
- · If *n* is even and greater than *20*, print *Not Weird*

Complete the stub code provided in your editor to print whether or not \mathbf{n} is weird.

Input Format

A single line containing a positive integer, **n**.

Constraints

· 1 ≤ n ≤ 100

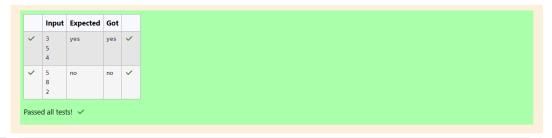
Output Format

Print Weird if the number is weird; otherwise, print Not Weird.



Question **3**Correct
Marked out of 7.00
F Flag question

Three numbers form a Pythagorean triple if the sum of squares of two numbers is equal to the square of the third. For example, 3, 5 and 4 form a Pythagorean triple, since 3*3 + 4*4 = 25 = 5*5 You are given three integers, a, b, and c. They need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the output message is in small letters. Sample Input 1 3 5 4 Sample Output 1 yes Sample Input 2 5 8 2 Sample Output 2



Question 1
Correct
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Write a program that determines the name of a shape from its number of sides. Read the number of sides from the user and then report the appropriate name as part of a meaningful message. Your program should support shapes with anywhere from 3 up to (and including) 10 sides. If a number of sides outside of this range is entered then your program should display an appropriate error message.

Sample Input 1

3

Sample Output 1

Triangle

Sample Input 2

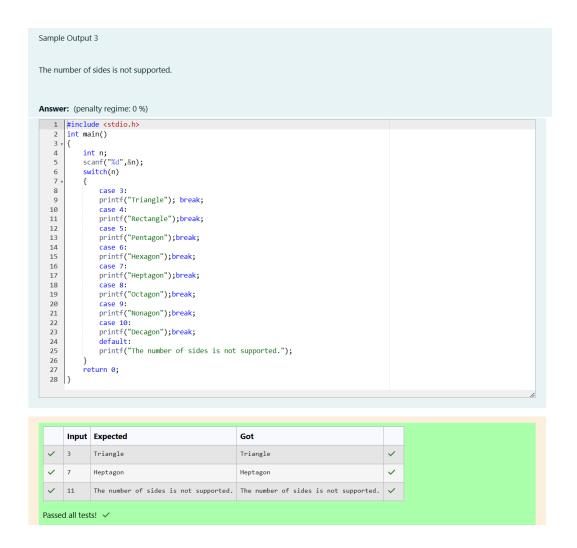
7

Sample Output 2

Heptagon

Sample Input 3

11



Question **2**Correct
Marked out of 5.00

Flag question

The Chinese zodiac assigns animals to years in a 12-year cycle. One 12-year cycle is shown in the table below. The pattern repeats from there, with 2012 being another year of the Dragon, and 1999 being another year of the Hare.

Year Animal

2000 Dragon 2001 2003 Sheep 2004 Monkey 2005 Rooster 2006 Dog 2007 2008 2010 Tiger 2011 Hare

Write a program that reads a year from the user and displays the animal associated with that year. Your program should work correctly for any year greater than or equal to zero, not just the ones listed in the table.

Sample Input 1

2004

Sample Output 1

Monkey

Sample Input 2

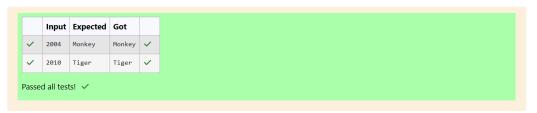
2010

Sample Output 2

Tiger

Answer: (penalty regime: 0 %)

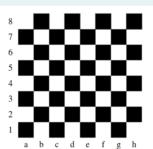
```
#include <stdio.h>
int main()
{
           int y,a;
scanf("%d",&y);
a=y%12;
switch(a)
 6
7
                  case 0:
printf("Monkey");break;
case 1:
10
11
                  printf("Rooster");break;
case 2:
12
13
14
15
16
17
18
19
                  printf("Dog");break;
case 3:
                  printf("Pig");break;
                  printf("Rat");break;
case 5:
20
21
                  printf("0x");break;
22
23
                  printf("Tiger");break;
24
25
                  printf("Hare");break;
26
27 }
            return 0;
```



Question **3**Correct
Marked out of 7.00

Filag question

Positions on a chess board are identified by a letter and a number. The letter identifies the column, while the number identifies the row, as shown below:



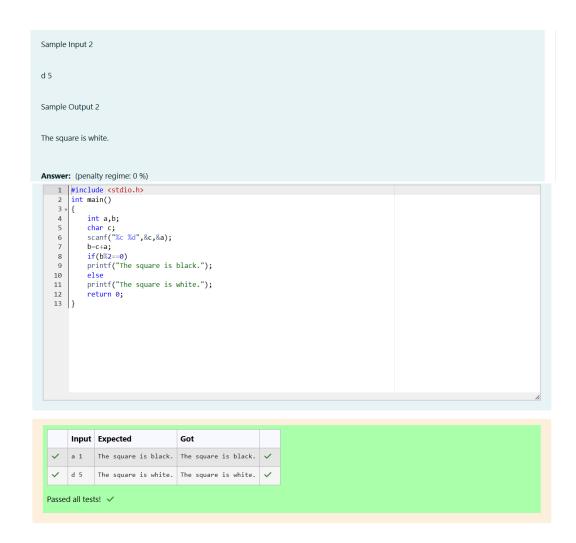
Write a program that reads a position from the user. Use an if statement to determine if the column begins with a black square or a white square. Then use modular arithmetic to report the color of the square in that row. For example, if the user enters a1 then your program should report that the square is black. If the user enters d5 then your program should report that the square is white. Your program may assume that a valid position will always be entered. It does not need to perform any error checking.

Sample Input 1

a '

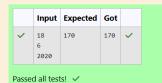
Sample Output 1

The square is black.



```
Question 1
                      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.
Marked out of 3.00
                      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
Flag question
                      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
                      Answer: (penalty regime: 0 %)
                          1 |#include <stdio.h>
                               int main()
                                   int d,m,y,day=0,is_leap=0;
scanf("%d\n%d\n%d",&d,&m,&y);
if(y%4==0)
                                        if(y%100==0)
                         10
11
                                             if(y%400==0)
                                                 is_leap=1;
                         12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
                                             else
{
                                                  is_leap=1;
                                   for(int i=1;i<m;i++)
                                        if(i==1)
                                             day +=31;
                                         else if(i==2)
                                             day += (is_leap) ? 28 : 29;
                         29
30
31
32
33
34
35
36
37
                                         else if(i==3)
                                             day+=31;
                                        else if(i==4)
                                             day+=30;
                         38
                                        else if(i==5)
                                             day+=31;
```

```
42
43
                 else if(i==6)
44
45
                      day+=30;
46
47
                 else if(i==7)
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
                      day+=31;
                 else if(i==8)
                      day+=31;
                 else if(i==9)
                      day+=30;
                 else if(i==10)
                      day+=31;
                 else if(i==11)
                     day+=30;
65
66
                }
else
67
68
                      day+=31;
69
70
71
72
           printf("%d",(day+d));
```



Question **2**Correct
Marked out of 5.00

F Flag question

Suppandi is trying to take part in the local village math quiz. In the first round, he is asked about shapes and areas. Suppandi, is confused, he was never any good at math. And also, he is bad at remembering the names of shapes. Instead, you will be helping him calculate the area of shapes.

- 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
- \cdot 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

· Print the area of the shape.

```
Sample Input 1
 Т
 Sample Output 1
 200
 Sample Input 2
 Sample Output 2
 600
 Sample Input 3
 Sample Output 3
 Sample Input 4
 G
 8
 Sample Output 4
 Sample Input
 C
 Sample Output 4
```



