

REC-CIS

3.00

Flag question

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int a,b,c,d;
5     scanf("%d %d",&a,&b);
6     c = a%10;
7     d = b%10;
8     if(c == d)
9     {
10         printf("true");
11     }
12     else
13     {
14         printf("false");
15     }
16 }
    
```

	Input	Expected	Got	
✓	25 53	false	false	✓
✓	27 77	true	true	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main()
3 {
4     int a;
5     scanf("%d",&a);
6     switch(a)
7     {case 3:
8         printf("Triangle");
9         break;
10        case 4:
11
12            printf("Square");
13            break;
14
15        case 5:
16            printf("Pentagon");
17            break;
18        case 6:
19
20
21            printf("Hexagon");
22            case 7:
23
24
25            printf("Heptagon");
26            break;
27            case 8:
28
29
30            printf("Octagon");
31            break;
32            case 9:
33
34
35
36            printf("Nonagon");
37            break;
38            case 10:
39
```

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Flag question

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      scanf("%d %d %d",&a,&b,&c);
6      if((a*a + b*b == c*c)||
7         (a*a + c*c == b*b)||
8         (b*b + c*c == a*a))
9      {
10         printf("yes");
11     }
12     else
13     {
14         printf("no");
15     }
16 }

```

	Input	Expected	Got	
✓	3 5 4	yes	yes	✓
✓	5 8 2	no	no	✓

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```

36         printf("Nonagon");
37         break;
38         case 10:
39
40
41             printf("Decogon");
42
43         default:
44             printf("The number of sides is not supported.");
45
46
47         return 0;}
    
```

	Input	Expected	Got	
✓	3	Triangle	Triangle	✓
✓	7	Heptagon	Heptagon	✓
✓	11	The number of sides is not supported.	The number of sides is not supported.	✓

Passed all tests! ✓

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
------	--------

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     if(n%2==1)
7     {
8         printf("Weird");
9     }
10    else if(n>2 && n<5)
11    {
12        printf("Not Weird");
13    }
14    else if(n>6 && n<20)
15    {
16        printf("Weird");
17    }
18    else
19    {
20        printf("Not Weird");
21    }
22    return 0;
23 }
24

```

	Input	Expected	Got	
✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int a;
5     scanf("%d",&a);
6     if(a%12 == 7)
7         printf("Dragon");
8     else if (a%12 == 8)
9         printf("Snake");
10    else if (a%12 == 9)
11        printf("Horse");
12    else if (a%12 == 10)
13        printf("Sheep");
14    else if (a%12 == 0)
15        printf("Monkey");
16    else if (a%12 == 1)
17        printf("Roaster");
18    else if (a%12 == 2)
19        printf("Dog");
20    else if (a%12 == 3)
21        printf("Pig");
22    else if (a%12 == 4)
23        printf("Rat");
24    else if (a%12 == 5)
25        printf("Ox");
26    else if (a%12 == 6)
27        printf("Tiger");
28    else
29        printf("Hare");
30    return 0;
31 }
```

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The square is white.

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     char x;
5     int y,i;
6     scanf("%c %d",&x,&y);
7     i=x-'a'+1;
8     if ((i+y)%2 == 0)
9         printf("The square is black.");
10    else
11        printf("The square is white.");
12 }
```

	Input	Expected	Got	
✓	a 1	The square is black.	The square is black.	✓
✓	d 5	The square is white.	The square is white.	✓

Passed all tests! ✓

REC-CIS

```

15 printf("Monkey");
16 else if (a%12 == 1)
17 printf("Roaster");
18 else if (a%12 == 2)
19 printf("Dog");
20 else if (a%12 == 3)
21 printf("Pig");
22 else if (a%12 == 4)
23 printf("Rat");
24 else if (a%12 == 5)
25 printf("Ox");
26 else if (a%12 == 6)
27 printf("Tiger");
28 else
29 printf("Hare");
30 return 0;
31 }
    
```

	Input	Expected	Got	
✓	2004	Monkey	Monkey	✓
✓	2010	Tiger	Tiger	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of
7.00

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:



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```

1  #include<stdio.h>
2  int main()
3  {
4      int a,b,d,e;
5      char c;
6      scanf("%c\n%d\n%d\n", &c, &a, &b);
7      d=a*b;
8      e=a*b/2;
9      if(c=='T')
10         printf("%d", d);
11     else if(c=='R')
12         printf("%d", d);
13     else if(c=='S')
14         printf("%d", e);
15     else
16         printf("0");
17     return 0;
18 }
```

	Input	Expected	Got	
✓	T 10 20	200	200	✓
✓	S 30 40	600	600	✓
✓	B 2	0	0	✓

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```

25     break;
26     case 6:
27         printf("%d", 31+feb+31+30+31+d);
28         break;
29     case 7:
30         printf("%d", 31+feb+31+30+31+30);
31         break;
32     case 8:
33         printf("%d", 31+feb+31+30+31+30+31+d);
34         break;
35     case 9:
36         printf("%d", 31+feb+31+30+31+30+31+30+d);
37         break;
38     case 10:
39         printf("%d", 31+feb+31+30+31+30+31+30+31+d);
40         break;
41     case 11:
42         printf("%d", 31+feb+31+30+31+30+31+30+31+30+d);
43         break;
44     case 12:
45         printf("%d", 31+feb+31+30+31+30+31+30+31+30+31+d);
46         break;
47
48     }
49 }

```

	Input	Expected	Got	
✓	18	170	170	✓
	6			
	2020			

Passed all tests! ✓

REC-CIS

```

1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     n=n%296;
7     if(n%10==0)
8         printf("Sunday");
9     else if(n%10==1)
10        printf("Monday");
11    else if(n%10==2)
12        printf("Tuesday");
13    else if(n%10==3)
14        printf("Wednesday");
15    else if(n%10==4)
16        printf("Thursday");
17    else if(n%10==5)
18        printf("Friday");
19    else if(n%10==6)
20        printf("Saturday");
21    else if(n%10==7)
22        printf("Kryptonday");
23    else if(n%10==8)
24        printf("Coluday");
25    else
26        printf("daxamday");
27    return 0;
28 }

```

	Input	Expected	Got	
✓	7	Kryptonday	Kryptonday	✓
✓	1	Monday	Monday	✓

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```
1 #include<stdio.h>
2 int main()
3 {
4     int d,m,y,feb;
5     scanf("%d%d%d",&d,&m,&y);
6     if((y%100==0 && y%400)|| (y%4==0))
7         feb=29;
8     else
9         feb=28;
10    switch (m){
11        case 1:
12            printf("%d",d);
13            break;
14        case 2:
15            printf("%d",31+d);
16            break;
17        case 3:
18            printf("%d",31+feb+d);
19            break;
20        case 4:
21            printf("%d",31+feb+31+feb);
22            break;
23        case 5:
24            printf("%d",31+feb+31+30+d);
25            break;
26        case 6:
27            printf("%d",31+feb+31+30+31+d);
28            break;
29        case 7:
30            printf("%d",31+feb+31+30+31+30);
31            break;
32        case 8:
33            printf("%d",31+feb+31+30+31+30+31+d);
34            break;
35        case 9:
36            printf("%d",31+feb+31+30+31+30+31+30+d);
37            break;
38        case 10:
39            printf("%d",31+feb+31+30+31+30+31+30+31+d);
```