

Question 1

Correct

Marked out of 3.00

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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 %)

```

1 #include <stdio.h>
2 int main()
3 {
4     int a,b;
5     scanf("%d%d",&a,&b);
6     a=a%10;
7     b=b%10;
8     if(a==b)
9     {
10        printf("true");
11    }
12    else
13        printf("false");
14    return 0;
15 }
```

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

Passed all tests! ✓

Question 2

Correct

Marked out of 5.00

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Objective

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

Task

Given an integer, *n*, perform the following conditional actions:

- If *n* is odd, print **Weird**
- If *n* is even and in the inclusive range of **2** to **5**, print **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 *n* is weird.

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     if(n%2!=0)
7     {
8         printf("Weird");
9     }
10
11     else if((n%2==0) && (n>=2) && (n<=6))
12     {
13         printf("Not Weird");
14     }
15
16     else if ((n%2==0) && (n>=6) && (n<=19))
17     {
18         printf("Weird");
19     }
20
21     else
22     {
23         printf("Not Weird");
24     }
25
26
27     return 0;
28
29
30
31 }
```

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

Question 3

Correct

Marked out of 7.00

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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 $3^2 + 4^2 = 25 = 5^2$. 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 no

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     {
8         printf("yes");
9     }
10    else if ((a*a)+(c*c) == (b*b))
11    {
12        printf("yes");
13    }
14    else if ((b*b)+(c*c) == (a*a))
15    {
16        printf("yes");
17    }
18    else
19    {
20        printf("no");
21    }
22    return 0;
23 }
```

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

Passed all tests! ✓