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GE23131-Programming Using C-2024

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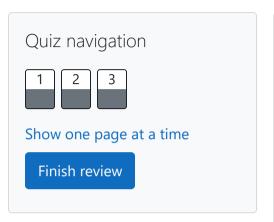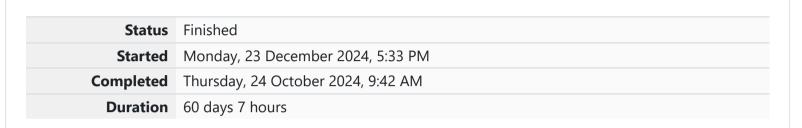|	
Status	Finished
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Question 1

Correct

Marked out of 3.00

⚑ 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 %)

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

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

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

⚑ Flag question

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.

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

Constraints

· $1 \leq n \leq 100$

Output Format

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

Sample Input 0

3

Sample Output 0

Weird

Sample Input 1

24

Sample Output 1

Explanation

Sample Case 0: **n = 3**

n is odd and odd numbers are weird, so we print **Weird**.

Sample Case 1: **n = 24**

n > 20 and **n** is even, so it isn't weird. Thus, we print **Not Weird**.

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int a;
    scanf("%d",&a);
    if(a%2!=0)
        printf("Weird");
    else if(a%2==0 && a<=5 && a>=2)
        printf("Not Weird");
    else if(a%2==0 && a<=20 && a>=6)
        printf("Not Weird");
    else
        printf("Not Weird");
    return 0;
}
```

✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Passed all tests! ✓

Question 3

Correct

Marked out of 7.00

⚑ 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 no

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if((a*a+c*c==b*b) || (b*b+a*a==c*c) || (c*c+a*a==b*b))
        printf("yes");
    else
        printf("no");
    return 0;
}
```

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

Passed all tests! ✓

Finish review