viope

logged in as
patricsu
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Chapter 5

- Theory (6)
- **Programming exercises (3/3)**
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Checking if a number is even

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- (1) Checking if a number is even done
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Write a program that prompts the user for an integer and checks whether it is even or odd. If the number is even, print "Number 2 is even.", if it is odd, print "Number 1 is odd.".

Hint:
The program is almost the same as in the previous chapter. The new part is: If the remainder is zero, print "even". If the remainder is one, print "odd". Otherwise print an error message.

Example output:

```
Enter an integer: 1978
Number 1978 is even.
```

The verification of program output does not account for whitespace characters like "\n", "\t" and " "

- program.c

```c
#include <stdio.h>

int main()
{
    int first;
    int value;

    printf("Enter an integer: ");
    scanf("%d", &first);

    value = (first % 2 != 0);

    if(value == 0)
        {printf("Number %d is even.", first);}
    else
        {printf("Number %d is odd.", first);}


    return 0;
}
```

Position: Ln 1 Ch 1   Full screen (Esc to exit)

Reset   Save   Run

Open Theory Shortcut