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## Chapter 5

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Please use this option only if you find any issues or mistakes in the content. If you have comments or questions regarding the subject matter, then please use "Ask a tutor".

- (1) Checking if a number is even done
- (2) Comparison operators done
- (3) Calculations done

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Write a program that first asks the user whether they drink coffee or tea and then how many cups a day. Finally, the program prints a statement in accordance with the following instructions: Coffee 0 to 2 cups: "You don't drink a lot of coffee, do you?", coffee 3-20 cups: "You drink a lot of coffee!", Tea 0-2 cups: "You do not drink a lot of tea.", tea 3-20 cups: "You drink a lot of tea!". Otherwise "An error occurred in the program!" The number of cups shall be processed as an integer variable and the drink as a character variable (c/t). You do not need to account for upper case letters.

## Hint:

Spend enough time on program design before you start typing your program. You can get help for the exercise in the learning material for Chapter 4.

## Example output:

```
Do you drink coffee or tea (c/t)?s
How many cups do you drink daily:55
An error occurred in the program!
```

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

## program.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char drink;
6     int cups;
7
8     printf("Do you drink coffee or tea (c/t)?");
9     drink = getchar();
10
11    printf("How many cups do you drink daily:");
12    scanf("%d", & cups);
13
14    if (cups < 0 || cups > 20)
15        {printf("An error occurred in the program!");}
16    else if (drink == 'c' && cups < 3)
17        {printf("You don't drink a lot of coffee, do you?");}
18    else if (drink == 'c' && cups > 2)
19        {printf("You drink a lot of coffee!");}
20    else if (drink == 't' && cups < 3)
21        {printf("You do not drink a lot of tea.");}
22    else if (drink == 't' && cups > 2)
23        {printf("You drink a lot of tea!");}
24    else
25        {printf("An error occurred in the program!");}
26
27
28 }
```

Position: Ln 1 Ch 1

Full screen (Esc to exit)

Reset

Save Run