

C# general tasks

Set 1

Note: for all these exercises, ignore input validation unless otherwise directed. Assume the user enters a value in the format that the program expects. For example, if the program expects the user to enter a number, don't worry about validating if the input is a number or not. When testing your program, simply enter a number.

Task 1.1

Fruit guesser

Write a program that asks the user to write a color – yellow, red, or orange. If the user writes "yellow", display "Banana" on the console. If the user writes "red", display "Apple" on the console. If the user writes "orange", display "Orange" on the console. If the user writes anything else, display "Unknown fruit".

Example: (it is ok if your texts are somewhat different, this is just one way of doing it)

```
Microsoft Visual Studio Debug Console
Write a color:
red
Apple
```

Task 1.2

Inches to centimeter converter

Write a program that asks if the user wants to convert inches to centimeters (by writing '1') or centimeters to inches (by writing '2'). Then asks for the length to be converted. Display the result on the console (result should be displayed with digits). The formula for converting between inches and centimeters is: 1 inch = 2,54 cm

Note: It is ok to limit input to whole numbers only. Output should show digits.

Example: (it is ok if your texts are somewhat different, this is just one way of doing it)

```
Microsoft Visual Studio Debug Console
What do you want to convert?
1 = inches to centimeters
2 = centimeters to inches
1
Write the value you want converted:
4
4 inches equals 10,16 centimeters
```

Task 1.3

Categorizing people

Write a program that asks the user for 2 different persons' names (one at a time, so 2 inputs). Then asks for each persons' age, by using their name. Finally display a sentence stating who is older, or if they are of equal age.

Examples: (it is ok if your texts are somewhat different, this is just one way of doing it)

```
Microsoft Visual Studio Debug Console
Write the names of 2 different people.
One at a time, press [Enter] after each name:
Eirik
Ina
Write the age of Eirik:
8
Write the age of Ina:
12
Ina (12) is older than Eirik (8).
```

```
Microsoft Visual Studio Debug Console
Write the names of 2 different people.
One at a time, press [Enter] after each name:
Kari
Ola
Write the age of Kari:
25
Write the age of Ola:
25
Kari and Ola are of the same age (25).
```