

Exercise 1:

Write a program that tells the user whether a letter is a vowel or not.

Example 1:

letter = "a"

Output:

This is a vowel.

Example 2:

letter = "b"

Output:

This is not a vowel.

Exercise 2:

Write a program that prints whether an integer is in between 1000 and 2000. If it is not, print whether it is lower than 1000 or higher than 2000.

Example 1:

number = 1420

Output:

This number is in between 1000 and 2000

Example 2:

number = 12

Output:

This number is lower than 1000

Exercise 3:

Write a program that prints the sum of 3 given numbers, but if all 3 numbers are the same it should print 4 times the sum of the 3 numbers.

Example 1:

first_number: 10

second_number: 12

third_number: 8

Output:

The sum of these numbers is 30

Example 2:

first_number: 10

second_number: 10

third_number: 10

Output:

These numbers are the same!

The sum of these numbers is 30

Multiplied by 4 this becomes 120

Exercise 4:

Write a program that finds the largest of 4 numbers.

Example 1:

first_number: 10

second_number: 12

third_number: 8

fourth_number: 24

Output:

The largest number is 24

Example 2:

first_number: 10

second_number: 10

third_number: 10

fourth_number: 4

Output:

The largest number is 10

Exercise 5:

In a certain tax system, people who earn more have to pay a higher percentage of taxes. For example:

People earning under €67000 have to pay 24% of all of their earnings to the government in taxes.

People earning under €97000 have to pay 31% of all of their earnings to the government in taxes.

People earning more than €97000 have to pay 34% of all of their earnings to the government in taxes.

Write a program that calculates how much money someone has left after taxes, given their income.

Example 1:

income = 58200

Output:

Your income after taxes is 44232 euro's

Example 2:

income = 101000

Output:

Your income after taxes is 66660 euros

Exercise 6:

Write a program that takes a string with a maximum size of 5. Do something different depending on the size of the string:

1 Letter: Print the letter 6 times (a = aaaaaa)

2 Letters: Switch the position of the letters (at = ta)

3 Letters: Move the last letter from the back to the front (Dog = gDo)

4 Letters: Print the reverse of the word (Wait = taiW)

5 Letters: Print the word divided by t (Brain = Btrtatitn)

Exercise 7:

Write a program that gives the user a basic test with three questions. If they have a question wrong stop the quiz, if they have it right give them the next question.

Example 1:

What is 2 * 2? 4

That is correct!

What is 6 / 3? 2

That is also correct!

What is 9 * 9? 18

Correct! You passed the test!

Example 2:

What is 2 * 2? 4

That is correct!

What is 6 / 3? 20

That is false, you failed the test!