

# My code isn't working :-)

Start here...

What type of error do you get?

yes

Do you get an error when you run the code?

no

Does the code use loops or if statements?

loops

if

neither

also check...

## Attribute Error

You are calling a method on the wrong type of object

## SyntaxError

You've forgotten the quotes around a string

You have forgotten to put a colon at the end of a def/if/for line

You have different number of open and close brackets in a statement

## TypeError

You're trying to use an operator on the wrong type of objects

An object which you expect to have a value is actually None

You've used non-integer numbers in a list slice

You've called a method/function with the wrong number or type of arguments

## Indentation Error

You've used a mixture of tabs and spaces  
You haven't indented all lines in a block equally

## NameError

You've misspelt a variable function name

You've forgotten to import a module

You've forgotten to define a variable

Your code uses a variable outside the scope where it's defined

Your code calls a function before it's defined

You're trying to print a single word and have forgotten the quotes

## IOError

You're trying to open a file that doesn't exist

## KeyError

You're trying to look up a key that doesn't exist in a dict

**A variable that should contain a value does not**  
You are storing the return value of a function which changes the variable itself (e.g. sort)

**A number which should be a fraction is coming out as zero in Python 2**  
You are dividing integers rather than floats.  
Convert the numbers to floats or from `__future__` import division

**I am reading a file but getting no input**  
You have already read the contents of the file earlier in the code, so the cursor is at the end.

**I'm trying to print a value but getting a weird-looking string**  
You are printing an object (e.g. a FileObject) when you want the result of calling a method on the object

**A regular expression is not matching when I expect it to**  
You have forgotten to use raw strings or escape backslash characters

**A list which should have a value for every iteration only has a single value**  
You have defined the list inside the loop: move it outside

**A loop which uses the range function misses out the last value**  
The range function is exclusive at the finish: increase it by one.

**I am trying to loop over a collection of strings, but am getting individual characters**  
You are iterating over a string by mistake

**I am trying to write multiple lines to a file but only getting a single one**  
You have opened the file inside the loop: move it outside

**Two numbers which should be equal are not**

You are comparing a number with a string representation of a number (e.g. `if 3 == "3"`)

**A complex condition is not giving the expected result**  
The order of precedence in the condition is ambiguous - add some parentheses