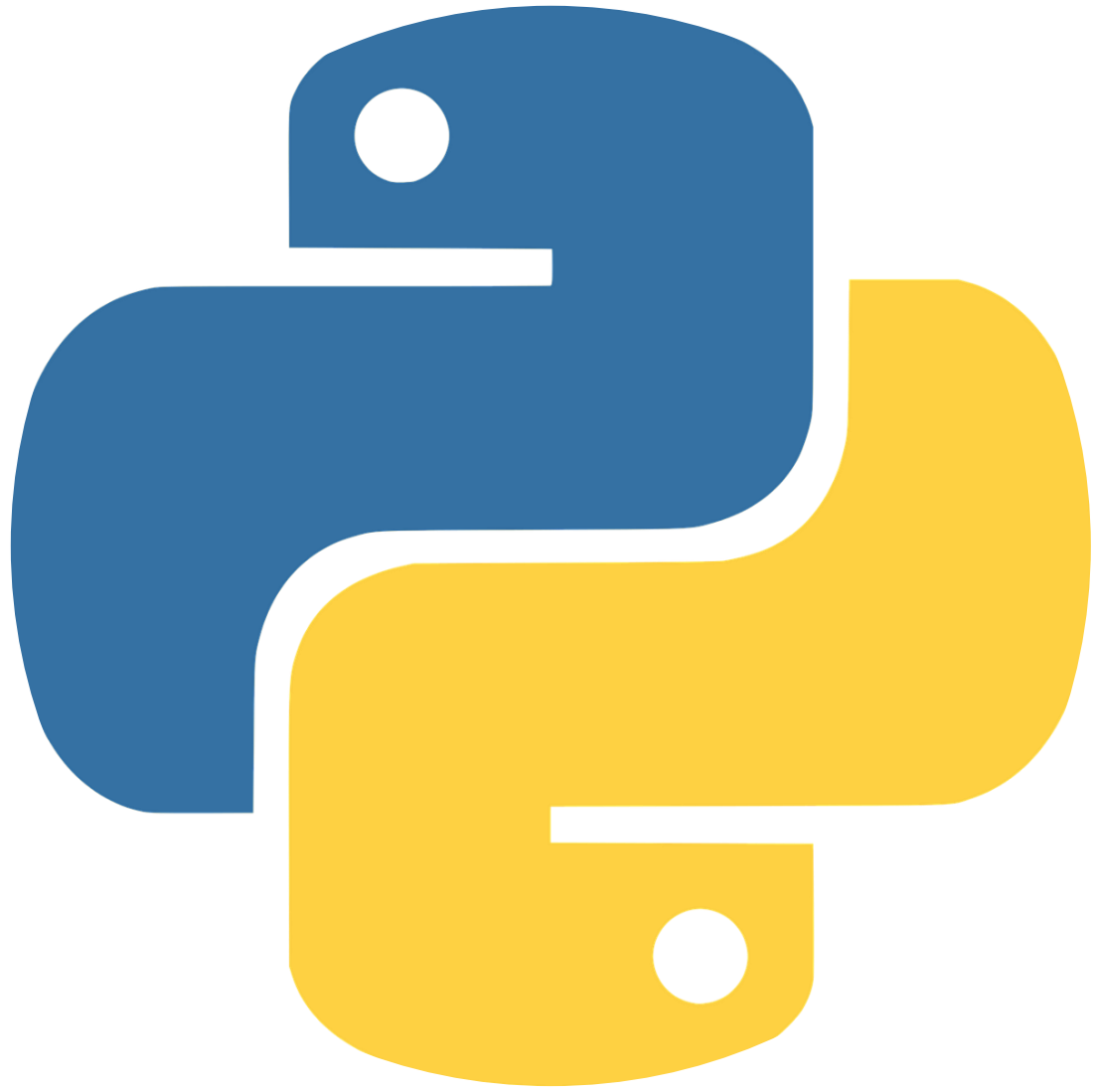HELLO PYTHON

PYTHON

programming language
for coding

How are we going to code ?

Thonny is an integrated development environment.

It has a text area where you can write your code, a run button to compile the code and a shell to show the result or the output of your program.
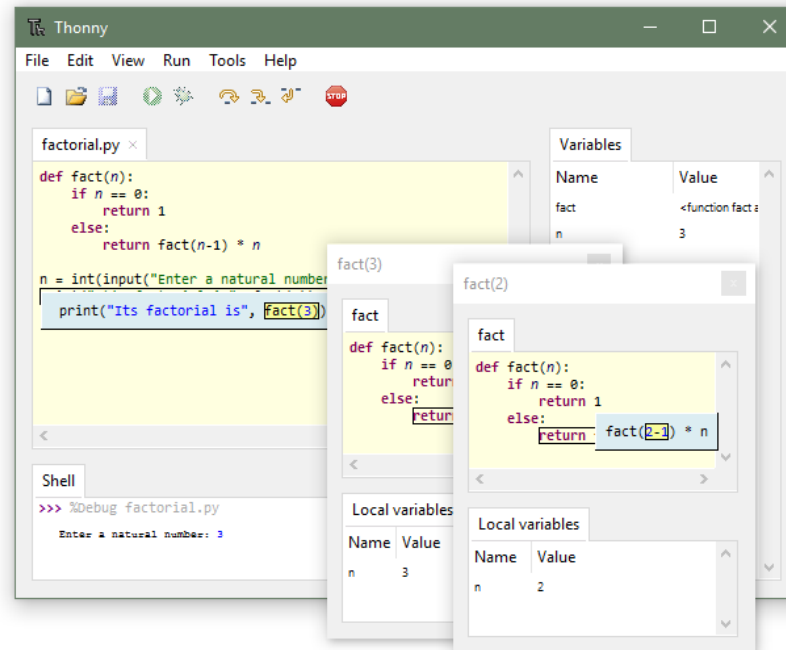
Thonny

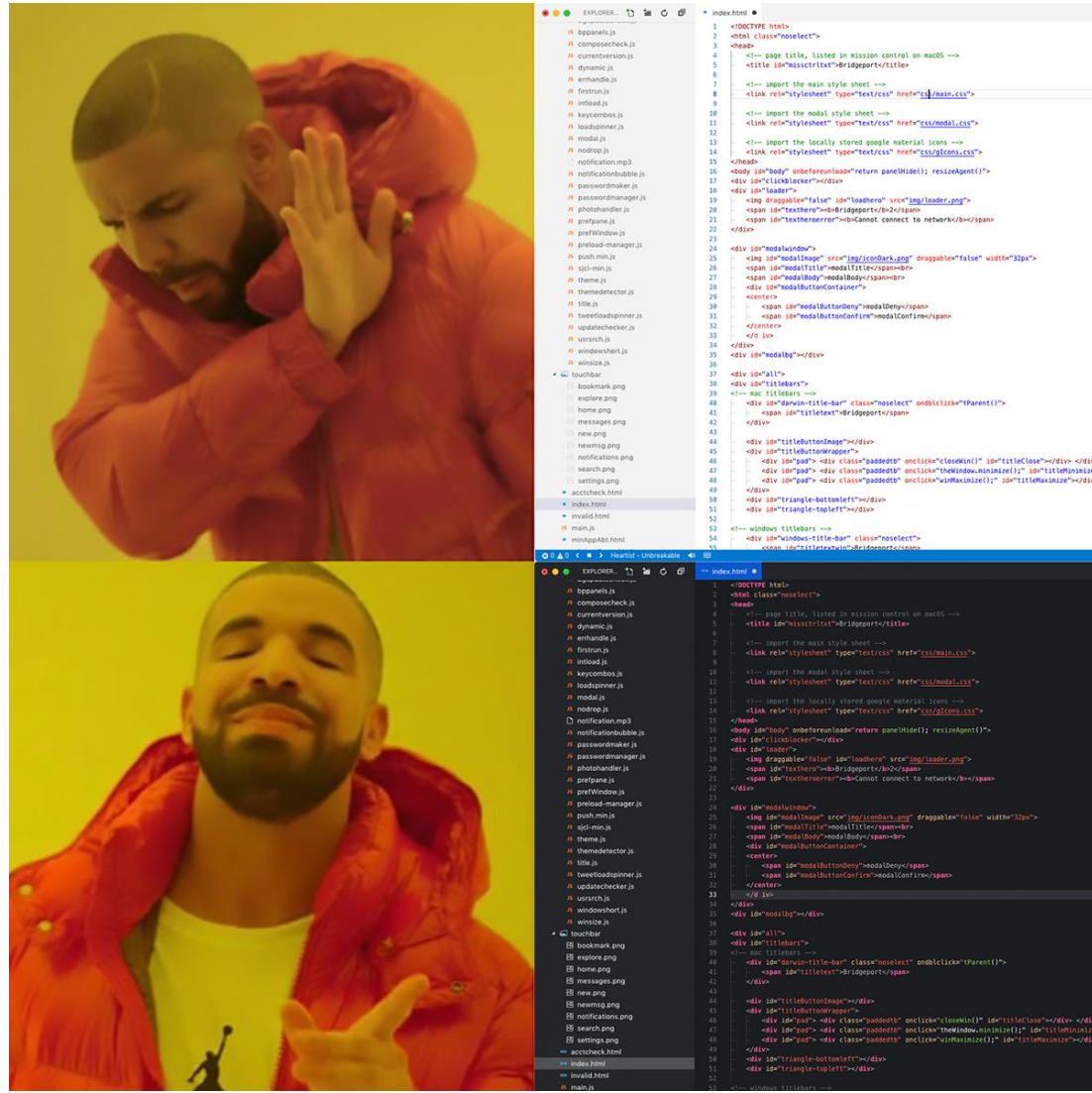# Installing Thonny

https://thonny.org/

Dark theme vs Light theme

```php
<?php language_attributes(); ?>

<meta charset="<?php bloginfo( 'charset' ); ?>" />
<meta name="viewport" content="width=device-width, true, 'right' );
<link rel="profile" href="http://gmpg.org/xfn/11" />
<link rel="pingback" href="<?php bloginfo( 'pingback_url'
<?php fruitful_get_favicon(); ?>
<!--[if lt IE 9]><script src="<?php echo
<?php wp_head(); ?>
</head>

<body <?php body_class(); ?>>
<div id="page-header" class="hfeed site">
<?php
    $theme_options = fruitful_ort_theme_options();
    $logo_pos = $menu_pos = '';
    if ( isset($theme_options['logo_position'])
        $logo_pos = esc_attr($theme_options['logo_position']
    if ( isset($theme_options['menu_position'])
        $menu_pos = esc_attr($theme_options['menu_position']
```
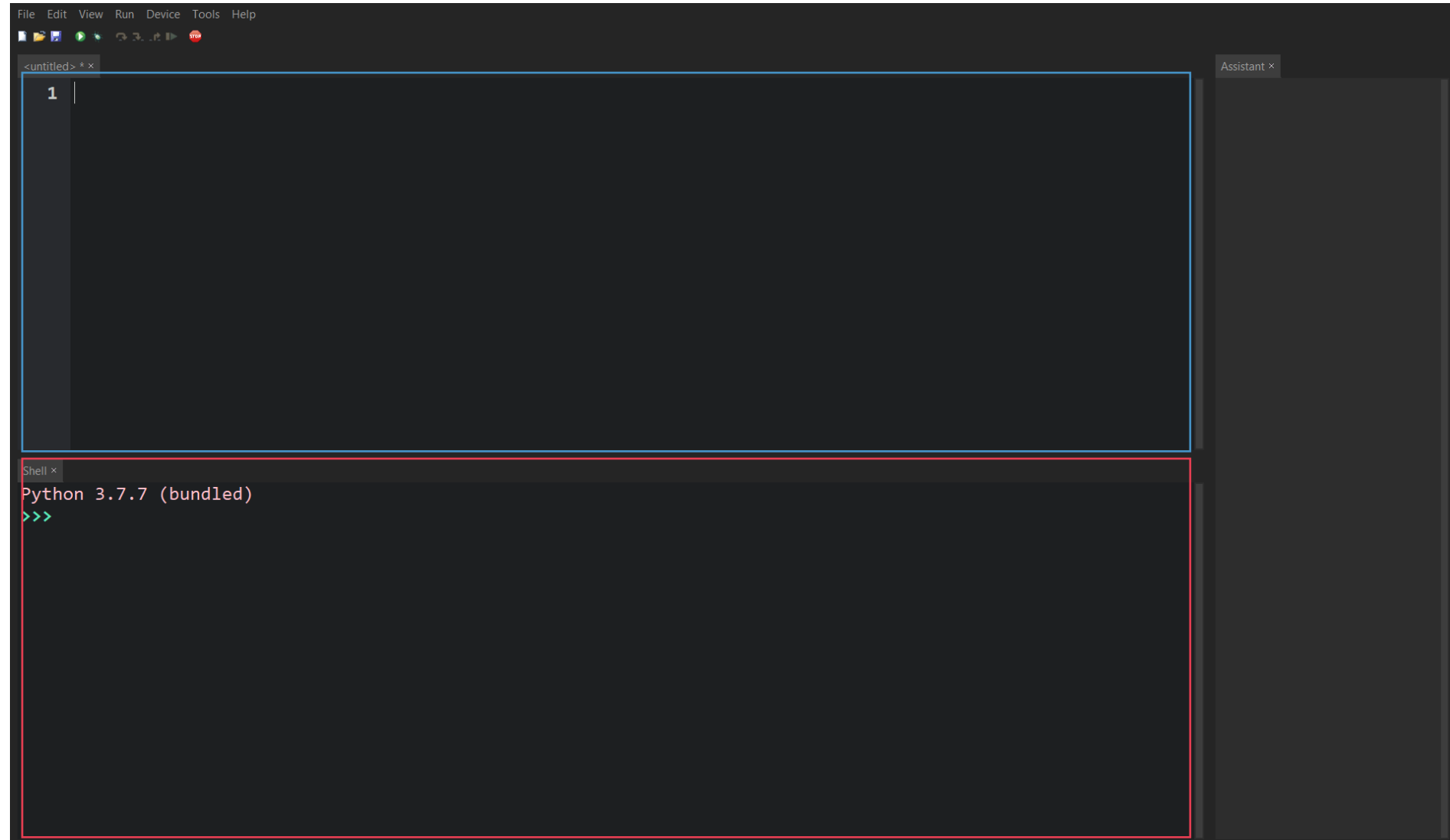
Thonny interface

The editor
Here you can write python code
and save it as a python file

The shell
Whatever program you did write in
the editor, its output will be
displayed here
The code you type can be run
straight away.

Trying out the shell

▽ Give the shell a test run

Type each of these code snippets into the shell window and press the enter/return key after each one. The first line displays a message and the second line does a calculation. Can you work out what the third line does?

```
>>> print('I am 10 years old')
```

```
>>> 123 + 456 * 7 / 8
```

```
>>> ''.join(reversed('Time to code'))
```

Colors in the code

IDLE automatically colors the text to highlight different parts of the code.

The colors make it easier to understand the code, and they're useful when you're trying to spot mistakes.
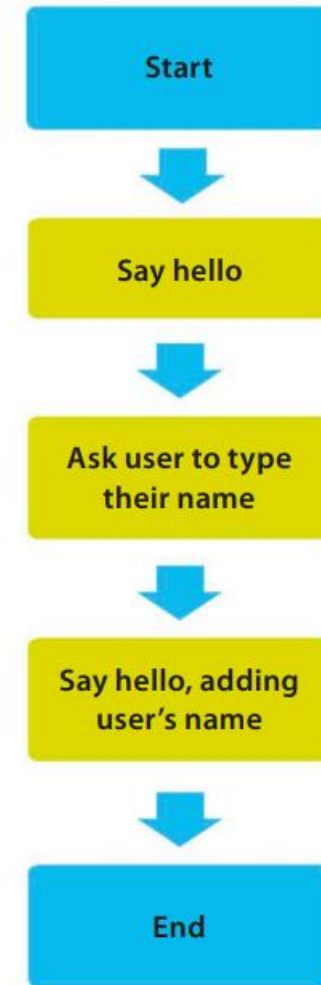
Your first program

The program first displays the message "Hello, World!" and then asks your name.
Once you've typed in your name, it says hello again, but this time it includes your name in the greeting.

The program uses something called a variable to remember your name. A variable is used in coding to store information.

Start

Say hello

Ask user to type their name

Say hello, adding user's name

End

Your first program

```
print('Hello, World!')

person = input('What's your name?')

print('Hello,', person)
```

This line asks for the user's name and
stores it in a variable called "person".

```
Hello, World!

What's your name?Josh

Hello, Josh
```

User's
name

Start

Say hello

Ask user to type
their name

Say hello, adding
user's name

End