

Create Your First Python Project

Introduction

Let's install a plugin for Python in VS Code, which allows us to work with various languages. In this page, you can see what this plugin is all about. In step three, open or create a Python file and start coding.

Creating a Python Project

We'll create our very first Python project together. This plugin has 26 million downloads and many features for working with Python. You can use it easily, and we need a plugin to install it. Once we install the plugin, we can create a new tool with ease. Every Python file needs to have the extension .py. Therefore, we need to write the code in a Python file and execute it.

Writing Python Code

To write Python code, we need to start coding in a Python file. If you see any other things that need to be installed for Python, just install them.

Zooming In

Press the green button to make the screen full and press command plus to zoom in to see everything we're doing.

Python Code

If you see any other things that need to be installed for Python, just install them. Write the code in a Python file and execute it.

Python Strings

Strings are a crucial part of programming, and you will use them often. Here, we have a variable named `name`, which equals "Jamila," and a second variable named `surname`, which equals "Smith."

Let's learn how to work with strings. Strings are important in programming, and I will cover methods later on. Here, you can see a list of methods

like `islower`, `isnumeric`, `isupper`, `join`, `lower`, `split`, and `title`.

We can do many things with strings. Let me show you how to use them.

We have a list of methods that we can use with strings. We need to test our knowledge of these methods. We can test our knowledge of a string's methods by using a string. We are very comfortable with our knowledge of strings and their methods. We use them frequently and are confident in our abilities.

Python is a language that can work with strings.

The `capitalize` method can be used to capitalize the first letter of a string. For example, if we have the string "jamila smith," we can capitalize the first letter of each word by calling the `capitalize()` method.

For example, if we write:

```
name = "Jamila"surname =  
"Smith"print(name.capitalize() + " " +  
surname.capitalize())
```

We will get the output "Jamila Smith."

Python Functions

Functions in Python

A function is a piece of code that is executed only when called. It allows bundling of code that can be used multiple times. To invoke a function, we can use its name followed by parentheses containing any parameters. For example:

```
check_age(h1)
```

However, this will not work if the function is defined later in the code. To avoid this, we should place the function invocation after its definition.

In Python, a function can be defined using the `def` keyword followed by the function name and parentheses containing any parameters. For example:

```
def check_age(age):
```

Within the function, we can use conditional statements to perform actions based on the parameter. For example:

```
if age < 18:
```

- Oops, not an adult

```
else:
```

- Hooray, I'm an adult!

We can then invoke the function using any number as the parameter:

```
check_age(18)
```

This will output "Hooray, I'm an adult!"

More Work Experiences

Adding Experiences to CV

We will ask the user if they have more experiences and add them accordingly. To obtain the user's response, we will convert it to lowercase. We will use a while loop to continue asking questions until the user responds with something other than "yes". To break out of the loop, we will check if the answer is not "yes". If it is not, we will break the loop. If it is, we will continue asking the same question. Once we are sure that we have no more experiences to add, we will inform the user.

Code:

```
while True:    answer = input("Do you have  
more experiences? ")    if answer.lower() !=  
"yes":        break    # code to add experience to  
CV    print("Thank you for providing your  
experiences.")
```

Experience Description

When adding experiences to the CV, we need to be specific. If the user has more than one experience, we should ask for details for each experience separately. The format for experience details should be:

- Company name
- Position held
- Dates of employment

For example:

```
Company: Intuit Quickbooks    Position: Social  
Media Expert    Dates: 2019 - Present
```