##### Title: Hello World in Python - A Fun Coding Adventure for Girls!

##### Website Message/Intro:

Welcome to Hello World in Python, a beginner-friendly online coding course designed just for young girls aged 11-17! Are you ready to embark on an exciting coding adventure and learn the basics of Python programming? Let's get started!

##### Course Overview:

Introduction to Python: Learn what Python is, why it's a popular programming language, and how to set up your coding environment.

Basic Python Syntax: Dive into the fundamental building blocks of Python programming, including variables, data types, operators, and basic input/output operations.

Fun with Functions: Explore how to create and use functions, which are like mini programs that can perform specific tasks. Discover how functions can make your code more organized and efficient.

Showcasing Your Work: Learn how to share and showcase your coding projects online and celebrate your accomplishments with family and friends!

### What Makes Our Course Special:

Designed for Girls: Our course is specifically designed to empower young girls to explore the world of coding and build their confidence in STEM fields.

Beginner-Friendly: No prior coding experience is required. Our course starts from scratch and gently guides you through the concepts at your own pace.

Interactive Learning: Our lessons are designed to be engaging and interactive, with plenty of hands-on coding exercises and projects that encourage creativity and critical thinking.

Fun and Creativity: Our course emphasizes the creative aspect of coding, encouraging you to express yourself through coding and create projects that reflect your interests and personality.

Join Us Today!

Are you ready to embark on an exciting coding adventure? Enrol in our ‘Hello World’ in beginners Python course and unlock the world of coding with creativity, fun, and empowerment! Sign up now and let's code together!

##### Step By Step Guide

#### Step 1: Welcome message

Welcome and congratulations on starting your first steps into learning Python, here we will explore a little about programming and give you some starter tips on how to create in Python. This is a short course and may take between 1-2 hours. I highly recommend doing your own research on everything you are taught here to help you understand what everything is doing, this will also help to condense your learning.

##### Pro Tips:

Python files are always saved as .py, so for this lesson it will be saved as HelloWorld.py

There are many ways to test your code that you have written, just google “Online Python compilers”, and choose the one you like. We have provided a link to one for this course.

##### Resources needed:

An online python compiler to check your code in real-time. A text editor where you can write and save your code. Our recommendation: <https://www.online-python.com/>

#### Step 1. Creating your first python script

Open the text editor of your choice and save it as hello.py – be sure to save this in a folder that you’ll remember, you could even create your own folder where you can save all of your scripts. In the file, type:

print("Welcome to Hello World in Python!")

print("This is your first step in learning Python programming.")

#### Step 2: User input for name

Now let’s use the input() function add in your name, we will store it in a variable for personalised greetings.

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

#### Step 3: Greeting message

Display a personalised greeting message using the user's name.

print(f"Hello, {name}!")

print("Let's start our coding adventure together!")

#### Step 4: Explanation of print statement

Explain the concept of the print() function in Python, which is used to display messages or outputs to the console. Provide a brief overview of its usage.

print("In Python, 'print' is a function that displays messages or outputs to the console.")

print("You can use it to show text, numbers, or the results of calculations.")

#### Step 5: Example of a print statement

Show an example of a print() statement to reinforce the concept. Display a simple "Hello, world!" message as a common programming tradition.

print("Example: ")

print("Hello, world!")

#### Step 6: Prompt for user input to continue

Pause the program and prompt the user to press Enter to continue to the next step.

input("Press Enter to continue...")

#### Step 7: Conclusion

Congratulations completing your first Python code, we hope you continue coding and exploring the world of programming.

print("Congratulations!")

print("You've successfully written your first Python code.")

print("Keep coding and exploring the world of programming!")