Day-01 Lecture Notes

> 💡 **Goal - Band Name Generator**

> 📝 **Topics Covered :**
>
> - `Print()` - To print out the words
> - `#Comment` - A line of code that will not be executed by interpreter
> - `\n` - New Line Escape Sequence
> - `String Concatenation` - Joining two or more strings to create a new string
> - `Input()` - To collect user input and use it within the code
> - `debugging` - The process of find and fixing erroes in code
> - `Name Errors` - Used a Variable, Function or module that doesn't exist.
> - `Syntax Errors` - Structure of code is not understandable by the interpreter
> - `Indentation Errors` - Unexpected Indent (Gap/Space) in code
> - `Variables` - Store Values like container for later use
> - `len()` - Returns the length (the number of items) of an object.

💻 **<u>Rules of Variable Naming in Python :</u>**

1. Make sure your variable names are descriptive

2. Don't have spaces between words

3. Don't start with numbers

4. Don't use special words like print or input

5. Choose simple words that are less likely to become typos

6. Check the company style guidelines if you start work at a company

Tip1 : Figure out errors using Syntax highlighting, Google, Stack-overflow etc.

Tip2 : Use Thonny to learn Debugging and code working step by step.

▼ Goal

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1. Create a greeting for your program.

2. Ask the user for the city that they grew up in and store it in a variable.

3. Ask the user for the name of a pet and store it in a variable.

4. Combine the name of their city and pet and show them their band name.