Python Programming

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Setup of Python Programming

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Learning outcomes:

Setup of Python Programming:

- **Getting Python**
- **Installation of Python**
- **Getting started with the first Python program**
- **Running the first Python Program**

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Getting Python

The most up-to-date and current source code, binaries, documentation, news, etc., is available on the official website of Python:
http://www.python.org/.
You can download Python documentation from www.python.org/doc/. The documentation is available in HTML, PDF, and PostScript formats.

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Installing Python

- Python distribution is available for a wide variety of platforms.
- Python can be obtained from the **Python Software Foundation** website at python.org. Typically, that involves downloading the appropriate **installer** for your operating system and running it on your machine.

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Installing Python

Here are the steps to install Python on **Windows operating system.**

1. Open a Web browser and go to **http://www.python.org/download/**
2. click on "**Download Python 3.8.5**" (You may see different version name).
3. When the download is completed, double-click the file and follow the instructions to install it.
4. Just accept the default settings, wait until the install is finished, and you are done.

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Installing Python

When Python is installed, a program called **IDLE** is also installed along with it. It provides graphical user interface to work with Python.

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Getting started with the first Python program

- Open IDLE
- To create a file in IDLE, go to File > New File (Shortcut: Ctrl+N).
- Write Python code (you can copy the code below for now) and save (Shortcut: Ctrl+S) with .py file extension like: hello.py or your-firstprogram.py

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

Running the first Python Program

- Before running the python program, you can save it using Ctrl + S, OR go to File > Save.
- Now you can run the program. Go to Run > Run module (Shortcut: F5) and you can see the output.
- Congratulations, you've successfully run your first Python program.

> **Output:**
> **Hello, World!**

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Thank you

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