



বরেন্দ্র বিশ্ববিদ্যালয়

VARENDRA UNIVERSITY



Dept. of CSE
Varendra University

Department of Computer Science and Engineering

29th Batch

Lab Report 1

Course title : Artificial Intelligence Lab

Course Code : CSE - 414

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Signature

Signature

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- **Question:** Vs Code & Python installation, setting up Python environment and executing a basic program.

❖ **Solution:**

1. Download and Install VS Code :

- Go to Google and search for VS Code.
- Download it from the official website and install it on my computer.

2. Download and Install Python:

- Search Python download on Google.
- Download Python from the official website (<https://python.org>).
- Install it and after installation, check the Python version using cmd.

3. Install Jupyter in VS Code:

- Open VS Code.
- Go to the Extensions tab.
- Search Jupyter and install it.

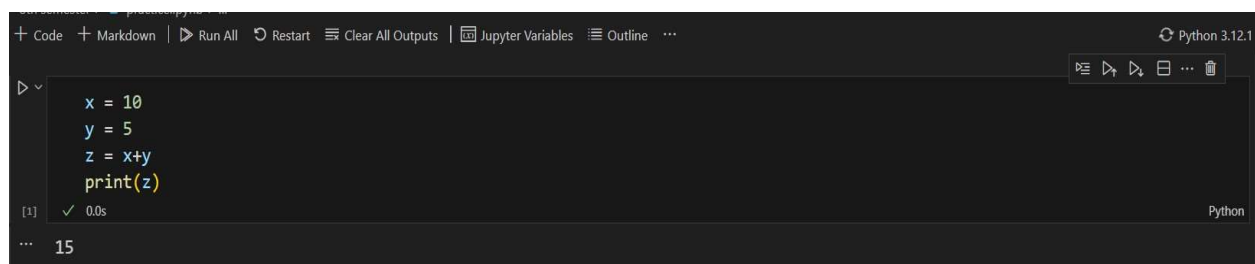
4. Run Code:

- Create a new file and save it with the extension .ipynb (this is for Jupyter Notebook files).
- Write the Python code in the file.
- Select Python Environment (Python 3.12.1) and Run.

❖ **Basic Code:**

```
x = 10
y = 5
z = x + y
print(z)
```

Output:

A screenshot of a Jupyter Notebook interface within a VS Code editor. The interface has a dark theme. At the top, there's a toolbar with icons for Code, Markdown, Run All, Restart, Clear All Outputs, Jupyter Variables, Outline, and a Python 3.12.1 environment selector. Below the toolbar, the notebook content is displayed in a cell. The code in the cell is:

```
x = 10
y = 5
z = x+y
print(z)
```

 Below the code, the output is shown:

```
[1] ✓ 0.0s
```

 At the bottom left, there's a status bar showing '15'. The overall layout is clean and professional, typical of a development environment.

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