

# Work-3

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## Installation [on Windows PC]

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1. Anaconda (<https://www.anaconda.com/distribution/#download-section>).

NOTE: In the last prompt, Tick the checkbox corresponding to “Add to path”. This will enable using `conda` in the terminal, for installing/upgrading packages.

2. Packages required here. Just press the install.bat ([///I://github\\_repos/work-3/installation/install.bat](///I://github_repos/work-3/installation/install.bat))

- anytree
- pywin32
- xlwings
- pandas
- python-docx

# Execution

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## M-1: via Excel RUN button [RECOMMENDED]

- RUN button is linked with `run.bat` file present in this directory, because the `octopus.dot` & `octopus.png` files were not created on execution.

## M-2: Build python code ctrl + b

This is creating the 2 files - `octopus.dot` & `octopus.png` as output. But it is not as interactive as M-1.

## Explain code

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### 1. Python

### 2. Batch

```
@echo off
del /f octopus.dot octopus.png
python octopus.py
rem dot octopus.dot -T png -o octopus.png
rem pause
```

### 3. VBA

```
Sub RUN_Click()
    Shell "cmd.exe /k cd /d" & ThisWorkbook.Path & "&& run.bat" & "&& octopus.png  
&& exit" & "&& exit"  
End Sub
```