**Day-04**

**25-02-2025**

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**IDE (Integrated Development Environment)**

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-> A platform in which we can able to:

1) write the program

2) execute the program

3) debug the program

is called as an "IDE".

-> There are many IDEs are available for Python:

1) PyCharm

2) VS Code

3) Sublime text

4) Jupyter notebook etc.,

**PyCharm Software Installation:**

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-> PyCharm is an IDE developed by "JetBrains".

-> JetBrains has given two options for PyCharm:

1) PyCharm Professional -> just with 30 days free trail

-> can be used for: web application development,

Data science, AI etc.

2) PyCharm Community Edition

-> Free

-> Open source

-> Pure python development

Download the PyCharm:

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1) Open the browser

2) search about: "PyCharm download"

Rather than the above steps:

you can use the below link to navigate to the download page of PyCharm.

"https://www.jetbrains.com/pycharm/download/?section=windows"

3) According to your system configuration, start download the PyCharm community Edition.

(By click on the download button of "PyCharm Community")

Install the PyCharm:

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1) After the downloading of the file, can run that downloaded file by click on it.

2) Click on "yes" to continue for the installation.

3) click on "next"

4) Click on "browse" to make install the PyCharm into the customize folder (optional)

5) Click on "next"

6) Select "Create Desktop shortcut"

and also select "Update PATH Variable"

then click on "next"

7) Click on "install"

8) After the successful installation, you need to reboot the PyCharm software to make it use properly. Then click on "finish".

**Setup on PyCharm:**

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1) Changing the Theme:

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1) Click on "customize"

2) In Appearance,

in Theme: you can select your theme

2) Changing of Font:

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1) Click on Customize

2) In Accessibility,

IDE Font: select your font

3) Create your project:

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1) Go to Projects

2) Click on "new Project"

3) In Location, click on browse button to select the folder into which we want keep all practices with PyCharm.

4) Enter your project name as like below:

C:\Users\DELL\PycharmProjects\CorePython34

5) Then click on "create".

4) Add folder/sub-folder into project:

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1) Select the project folder

2) Right click on that selected folder

3) go to "new"

4) click on "directory"

5) enter the directory name then hit enter.

5) Create the python file into the folder/sub-folder:

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1) Select your folder/sub-folder

2) Right click of the mouse

3) go to "new"

4) click on "python file"

5) enter the title/name and then hit enter

Example Program:

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a = 121

b = 222

c = a + b

print(c)