

# Programming Competition 2025

## Create a new Python Project in PyCharm

### Step 1 Locate PyCharm

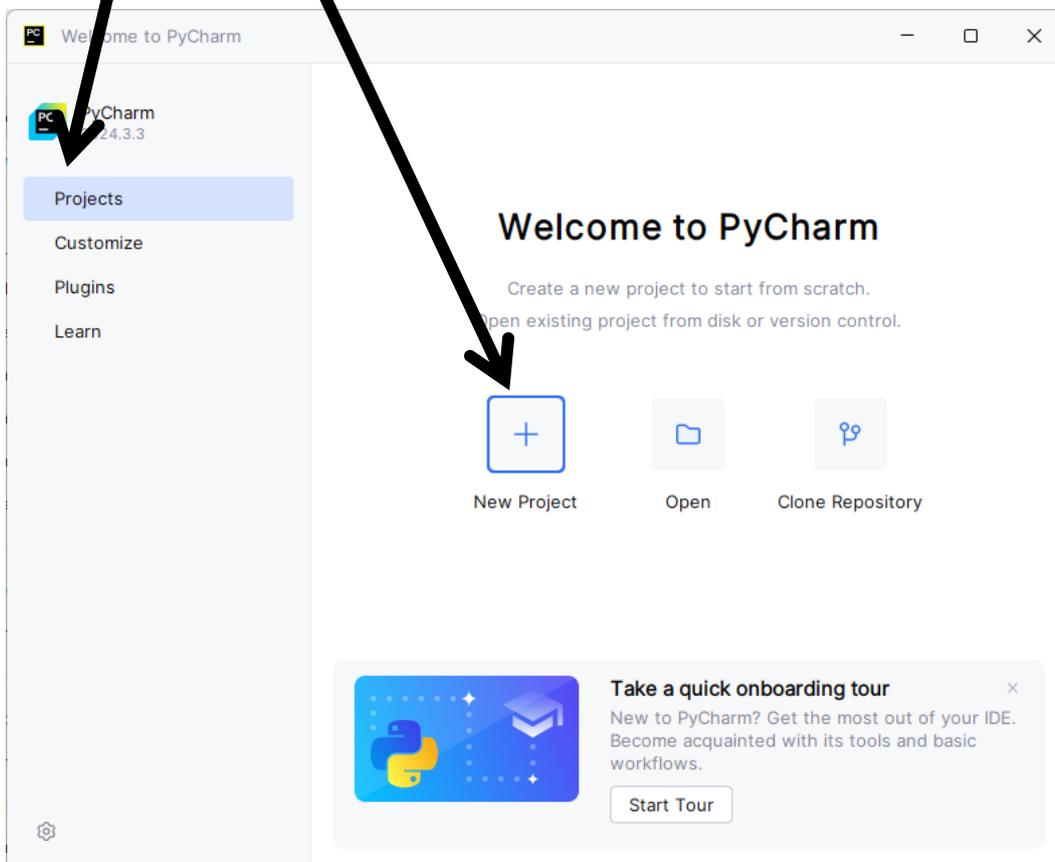
PyCharm is an Integrated Development Environment (IDE) that lets you write java code (program) and run and test your code. Follow the following steps PyCharm.

- 1) Go to Desktop, click a folder Java Competition
- 2) Choose Anaconda
- 3) Select icon PyCharm Community
- 4) Click Launch

### Step 2 – Create a new Python Project

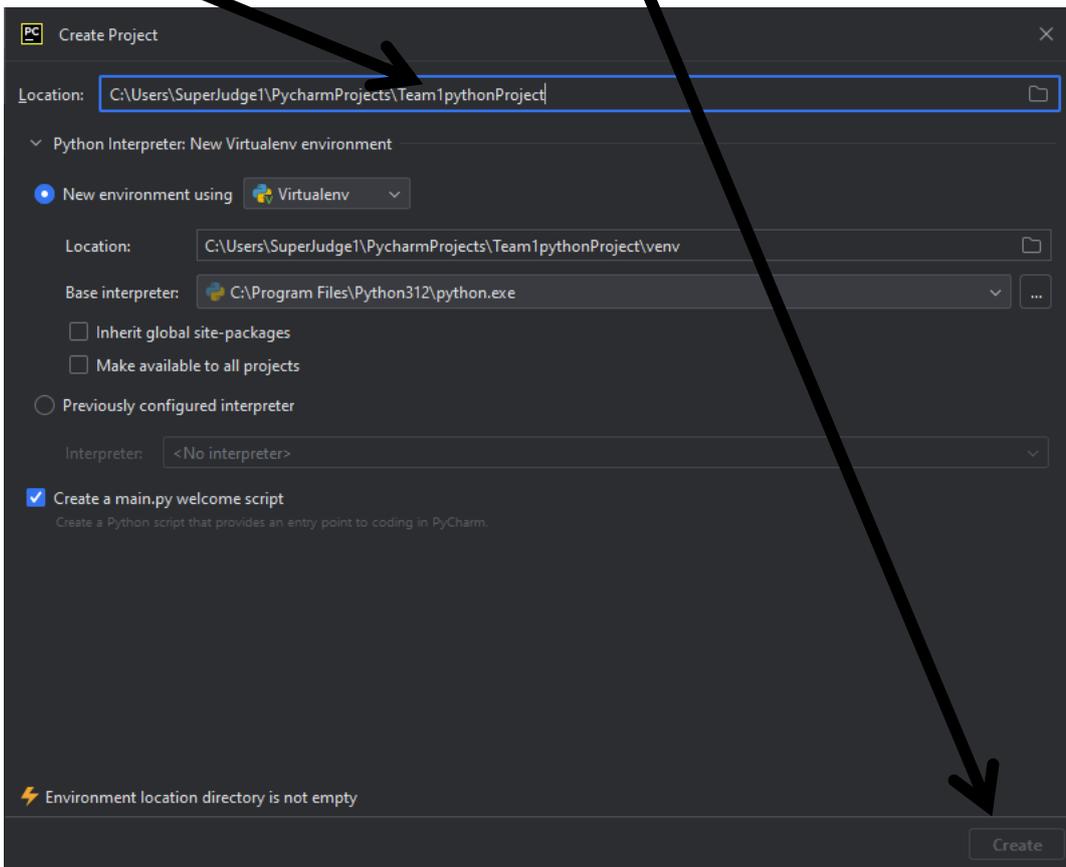
To create a new Python Project, follow these steps:

- 1) Select Projects
- 2) Click on New Project.

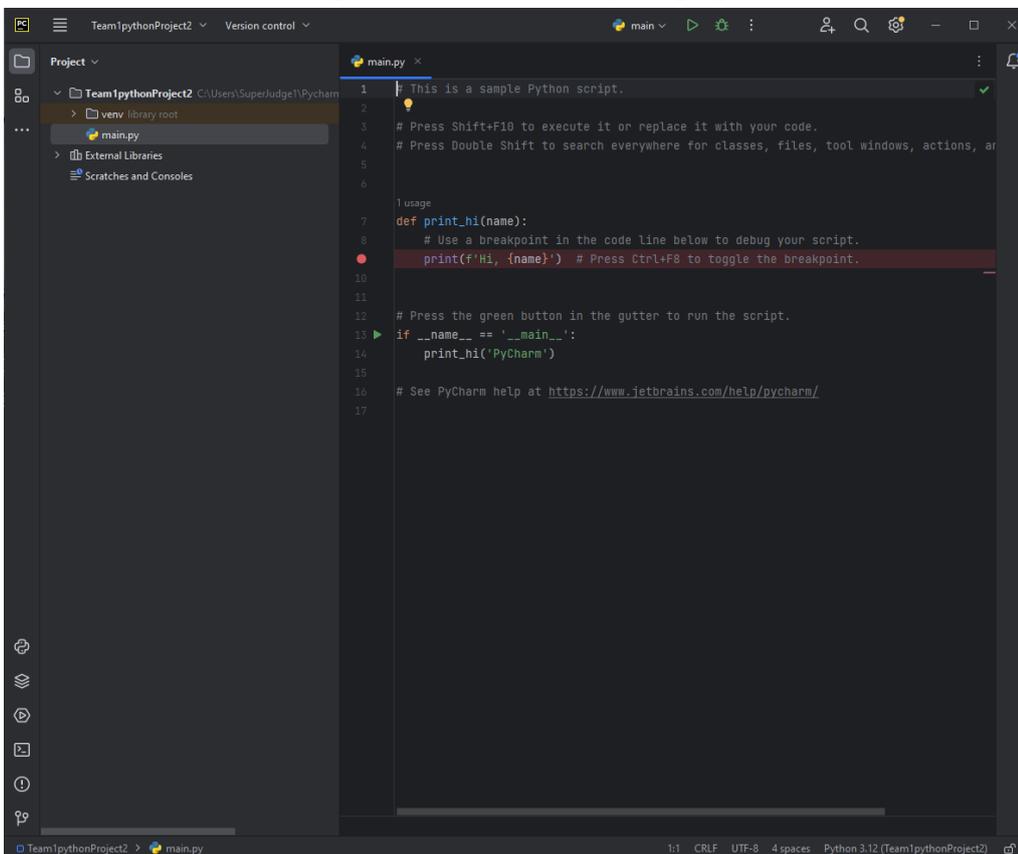


2) The following window will open:

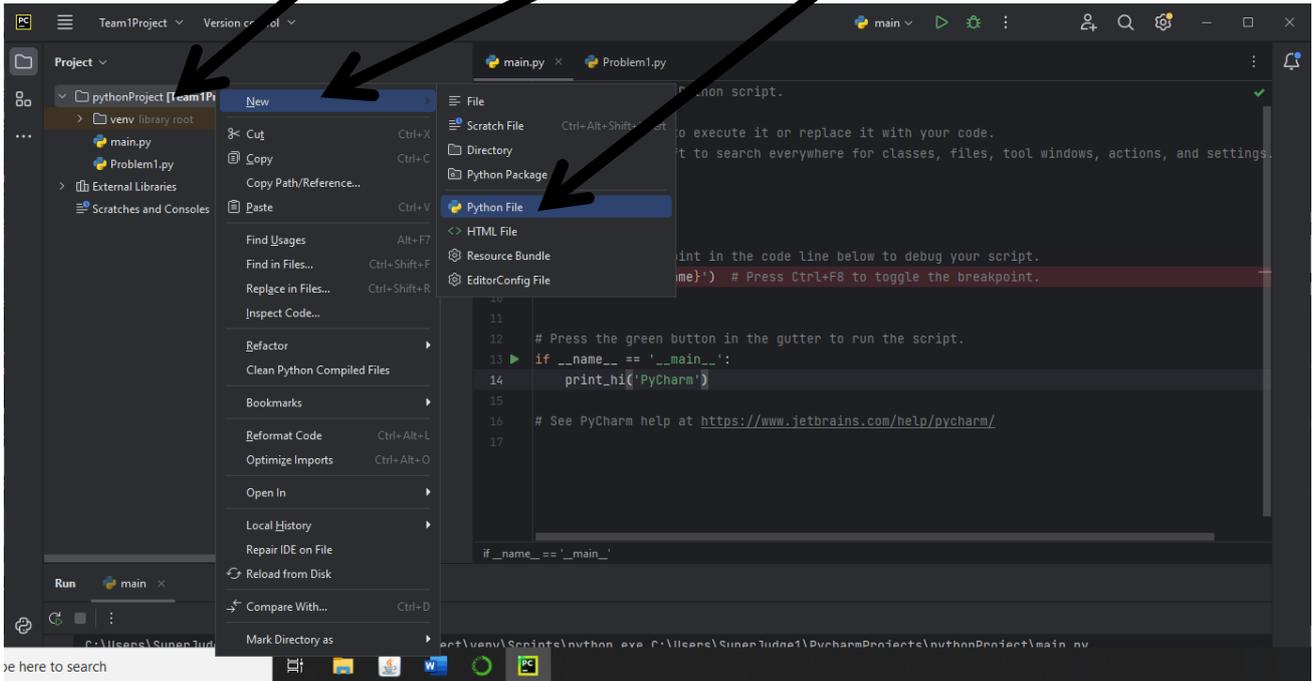
Give a name to your project in the highlighted text field. Name your project as “Team1pythonProject” and leave the rest of the fields as default and click **Create**.



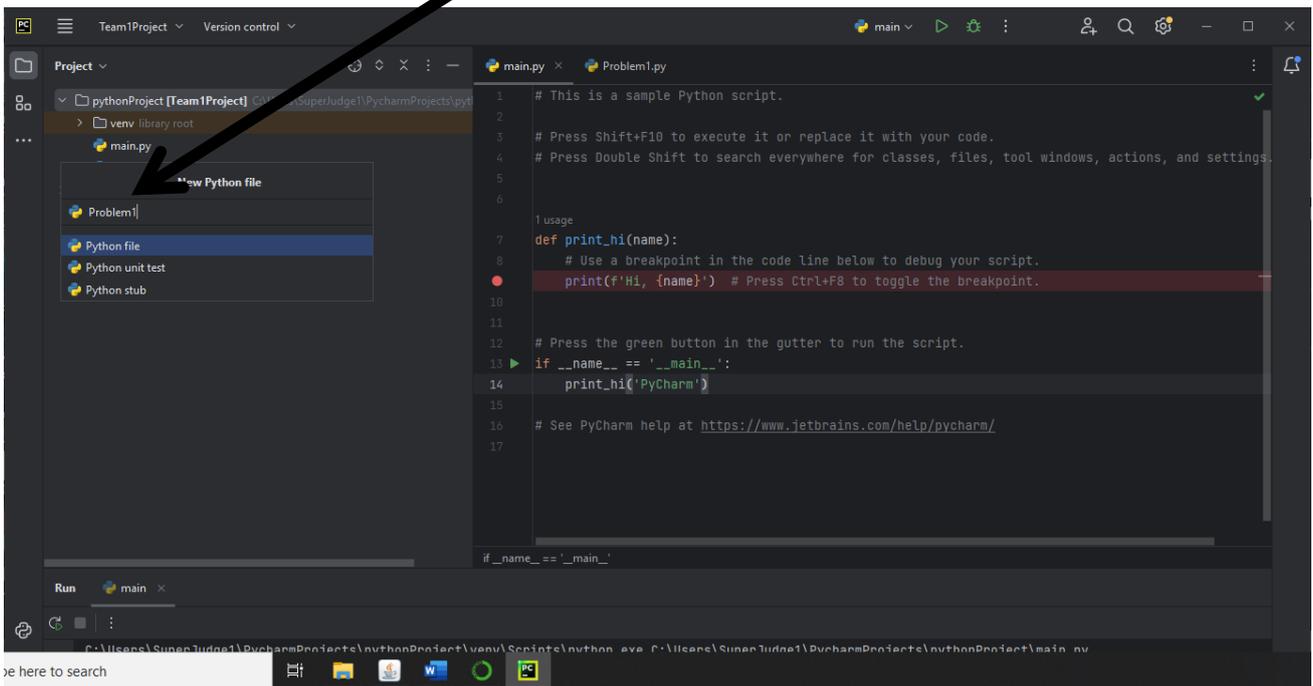
You will see the following structure created in your project.

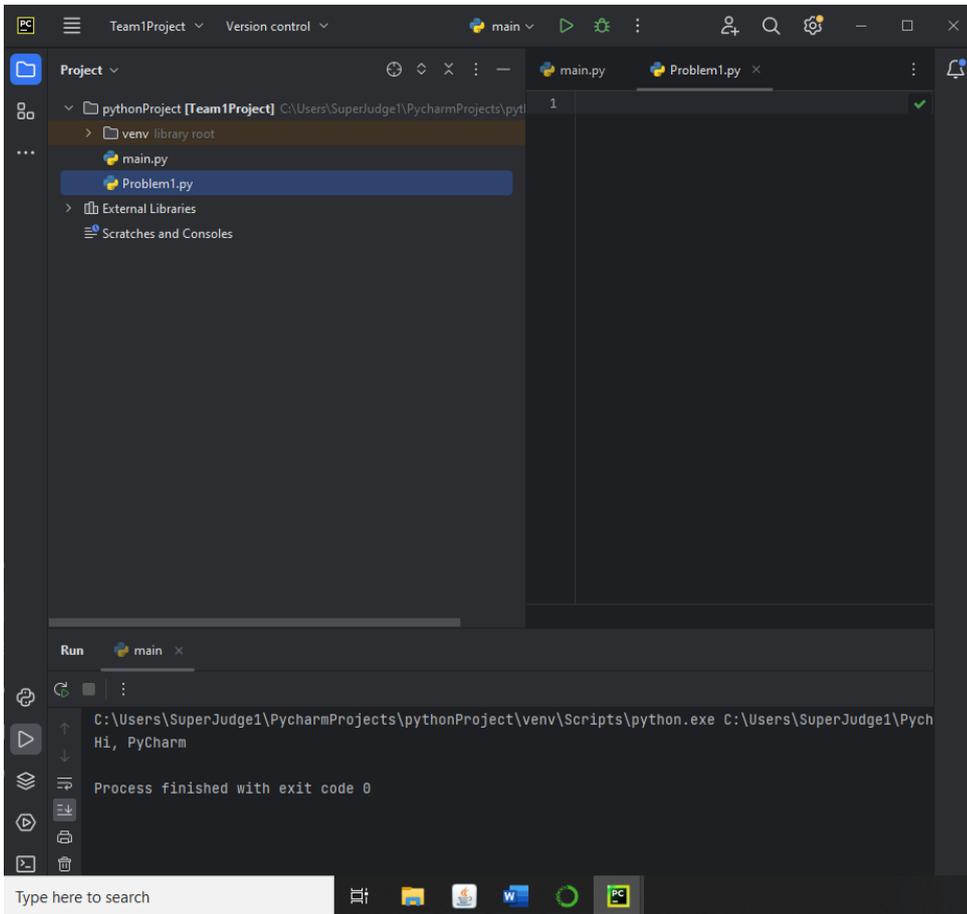


3) Right click on the Team1Project, then select New -> Python File



Type the name of the program as **Problem1** as follows and click on Finish button.



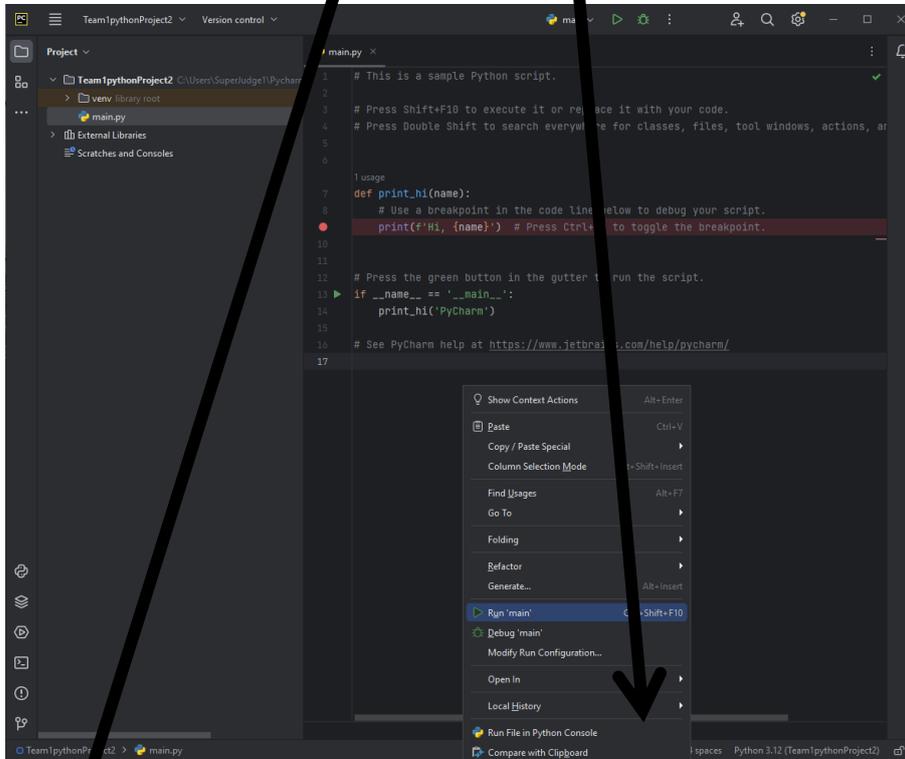


3) Type your program and save it.

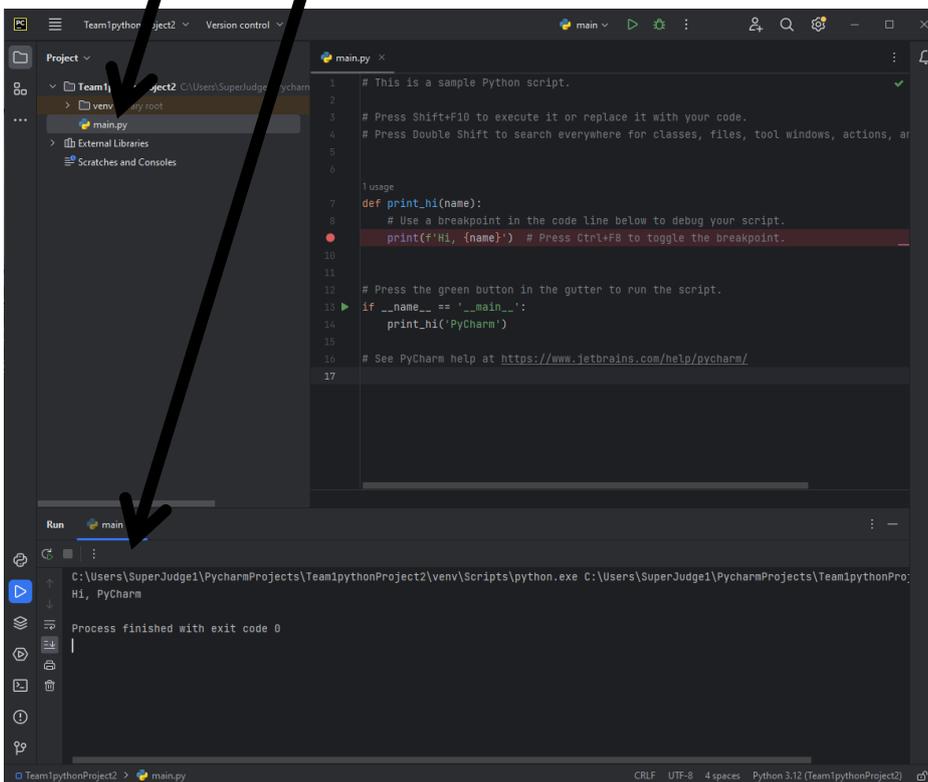
#### 4) Run your Program:

Use either of the following ways to run your code:

- Right-click the editor and select Run main.py
- Right-click the file name under Project explorer and select Run main.py
- Press CTRL+SHIFT+F10



You can see your output



## Read From a File

To read from a file, you need put your text file in current working directory.

### *Steps to Read Text File in Python*

In Python, to read a text file, you need to follow the below steps.

**Step 1:** The file needs to be opened for reading using the `open()` method and pass a file path to the function.

**Step 2:** The next step is to read the file, and this can be achieved using several built-in methods such as `read()`, `readline()`, `readlines()`.

**Step 3:** Once the read operation is performed, the text file must be closed using the `close()` function.

Example:

Copy and paste this code to a main.py file

```
# Press the green button in the gutter to run the script.
if __name__ == '__main__':
    print_hi('PyCharm')

    # Program to read single line in a file using readline() function
    file = open("python.txt", "r")
    content = file.readline()
    print(content)
    file.close()
```

Create a text file python.txt:

Right click on the Team1Project, then select New -> Text File python.txt

Write a text:

```
Hello MC Python Competition!
```

Run your main.py program

