1. Open PyCharm:

- Launch PyCharm from your computer's application menu or desktop shortcut.

2. Create a new project:

- Once PyCharm is open, click on "Create New Project" or go to "File" > "New Project".

- In the "New Project" dialog, choose a location for your project by selecting a directory.

- Enter a name for your project in the "Project name" field.

- Click "Create" to create the project.

3. Set up the project interpreter:

- After creating the project, PyCharm will prompt you to set up the project interpreter.

- Select the Python interpreter you want to use for your project. If it's not listed, click the "..." button to locate it.

- Once the interpreter is selected, click "Create" to set up the project.

4. Install required packages:

- In PyCharm, go to "File" > "Settings" (on Windows/Linux) or "PyCharm" > "Preferences" (on macOS).

- In the settings window, navigate to "Project" > "Python Interpreter".

- On the right side, you'll see a list of installed packages.

- Click on the "+" button to install a new package.

- In the search bar, enter the name of the package you want to install (e.g., "opencv-python").

- Select the package from the search results and click "Install Package" to install it.

- Repeat this process for any other required packages (e.g., "numpy", "keras", "pygame").

5. Create a new Python file:

- Right-click on your project directory in the PyCharm project explorer.

- Select "New" > "Python File" to create a new Python file.

- Give the file a name (e.g., "drowsiness\_detection.py") and click "OK".

6. Copy the code:

- Copy the code for the "Driver Drowsiness Detection" program and paste it into the newly created Python file in PyCharm.

7. Configure paths and file locations:

- In the code, you'll notice several file paths specified for the cascade classifiers, model, and sound file.

- Modify these paths to match the actual locations of the respective files on your computer.

8. Run the program:

- To run the program, simply click the "Run" button (usually a green triangle) in the toolbar.

- Alternatively, you can right-click anywhere in the code editor and select "Run 'drowsiness\_detection'".

- The program will start executing, and if a camera is available, it will open a window showing the drowsiness detection in action.

- To stop the program, press the "q" key or click the "Stop" button in the toolbar.