To replicate the results reported in the coursework:

1. Make sure the following files are in the same root directory:
    - “radomforest.ipynb”
    - “base_model.ipynb”
    - A folder named `dataset/` containing all required bug report datasets

2. Install the required packages (see requirements.pdf)

3. Run the Baseline Model:
    - Launch Jupyter and open “base_model.ipynb”
    - “# Choose the project (options: 'pytorch', 'tensorflow', 'keras', 'incubator-mxnet', 'caffe')”

    Modify the line below this comment to select the dataset you want to run. For example, to run the result for 'pytorch', set projects = ['pytorch']
    - Execute all cells in order
    - The results will be saved in files with the suffix “_BaseModel_NB.csv”.

4. Run the Random Forest:
    - Launch Jupyter and open “randomforest.ipynb”
    - “# Choose the project (options: 'pytorch', 'tensorflow', 'keras', 'incubator-mxnet', 'caffe')”

    Modify the line below this comment to select the dataset you want to run. For example, to run the result for 'pytorch', set projects = ['pytorch']
    - Execute all cells in order
    - The results will be saved in files with the suffix “_randomforest_NB.csv”.

5. Evaluation
    - The notebook evaluates five individual projects and a merged dataset
    - It computes and prints Accuracy, Precision, Recall, and F1-score for both Naive Bayes and Random Forest models
    - Results for each project will also be saved as CSV files, automatically named with “_NB.csv” suffix

Note:
- Ensure that the dataset files and expected filenames match the notebook configuration.