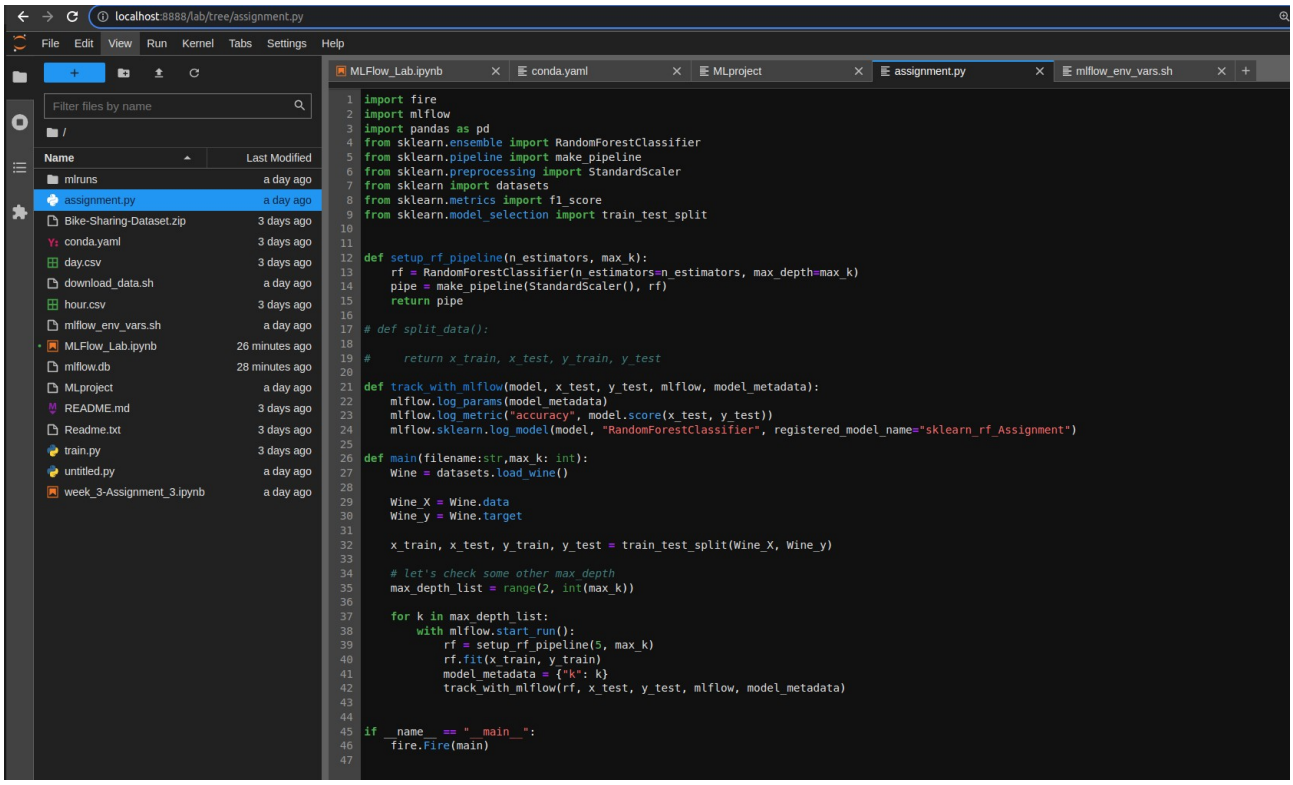
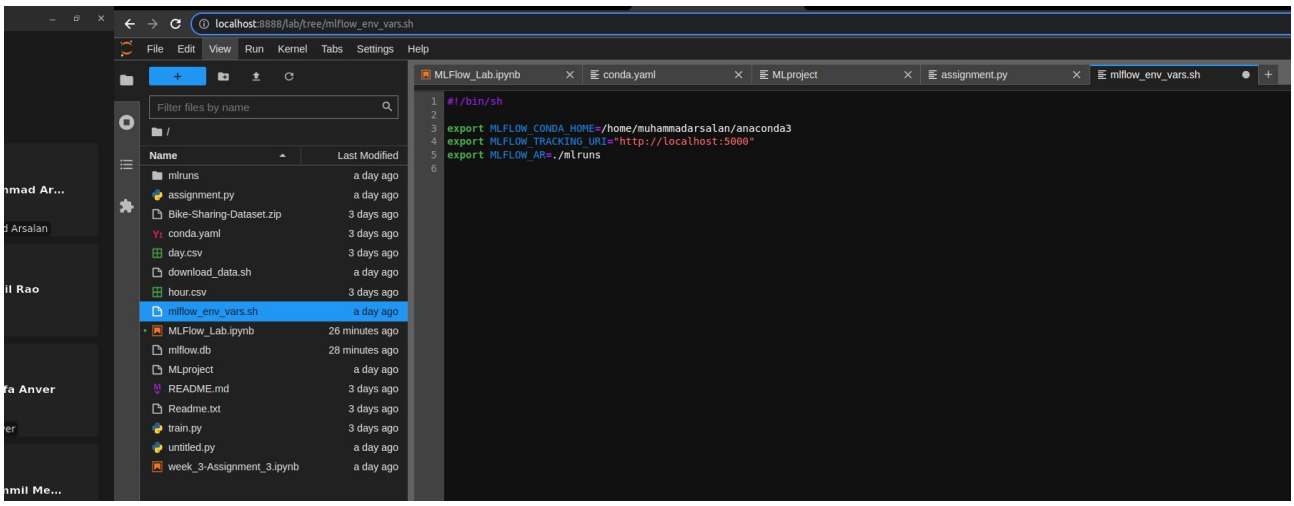
Group Member’s Name:-

Muhammad Arsalan (2303.KHI.DEG.025)
Abdul Rehman (2303.KHI.DEG.035)
Arshad Shiwani (2303.KHI.DEG.026)

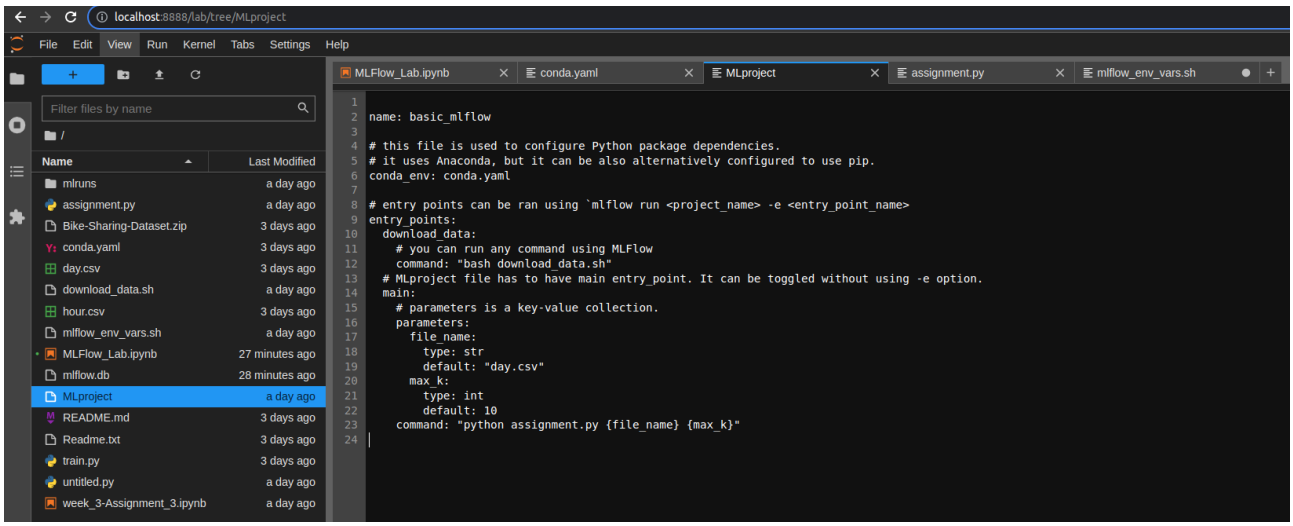
This is the Assignment.py file in which we used the RandomForestClassifier.



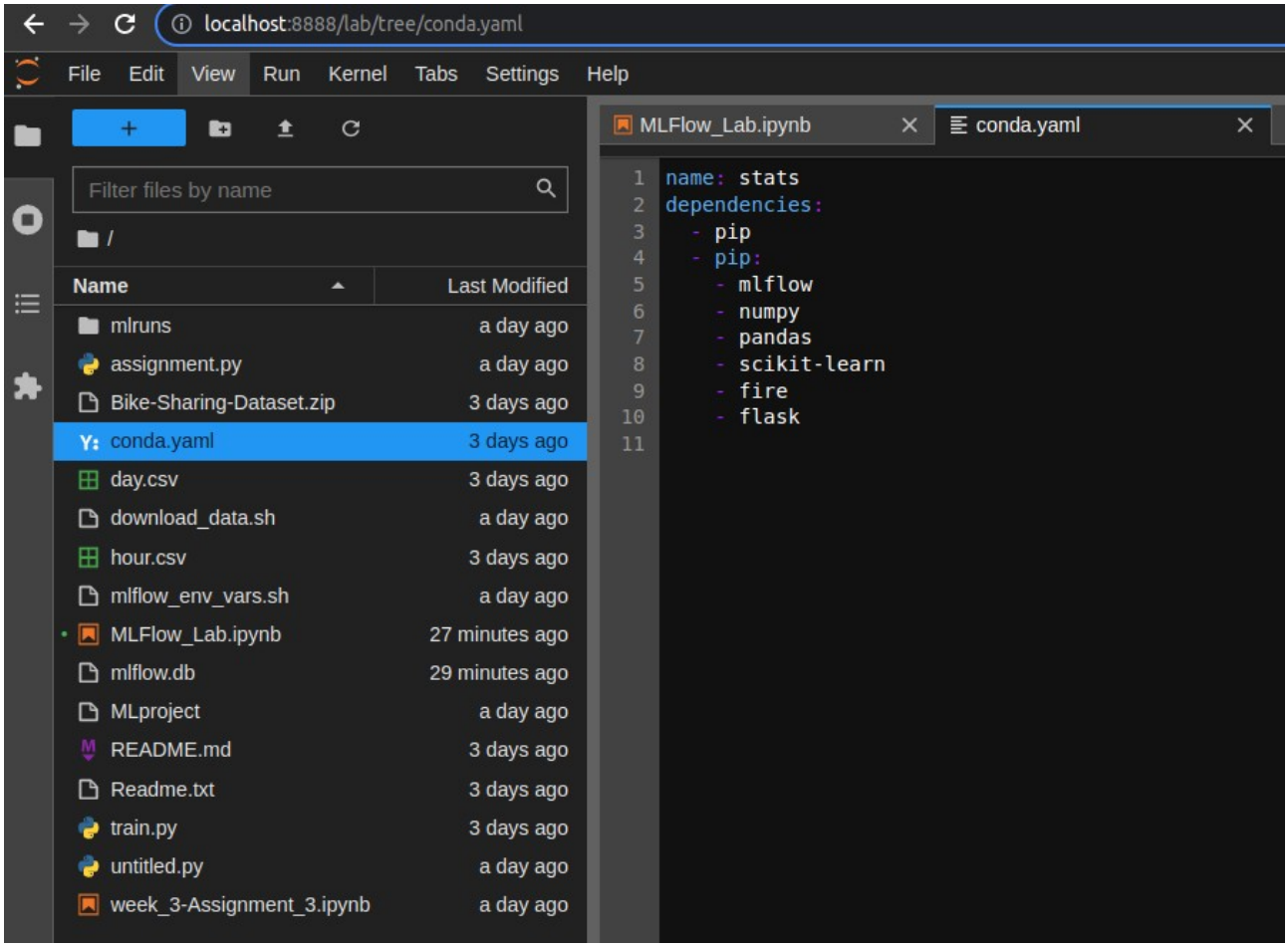
This is the mlflow_env_vars.sh file in which we set the environment and localhost port and ./mlruns folder location where versions are saved.



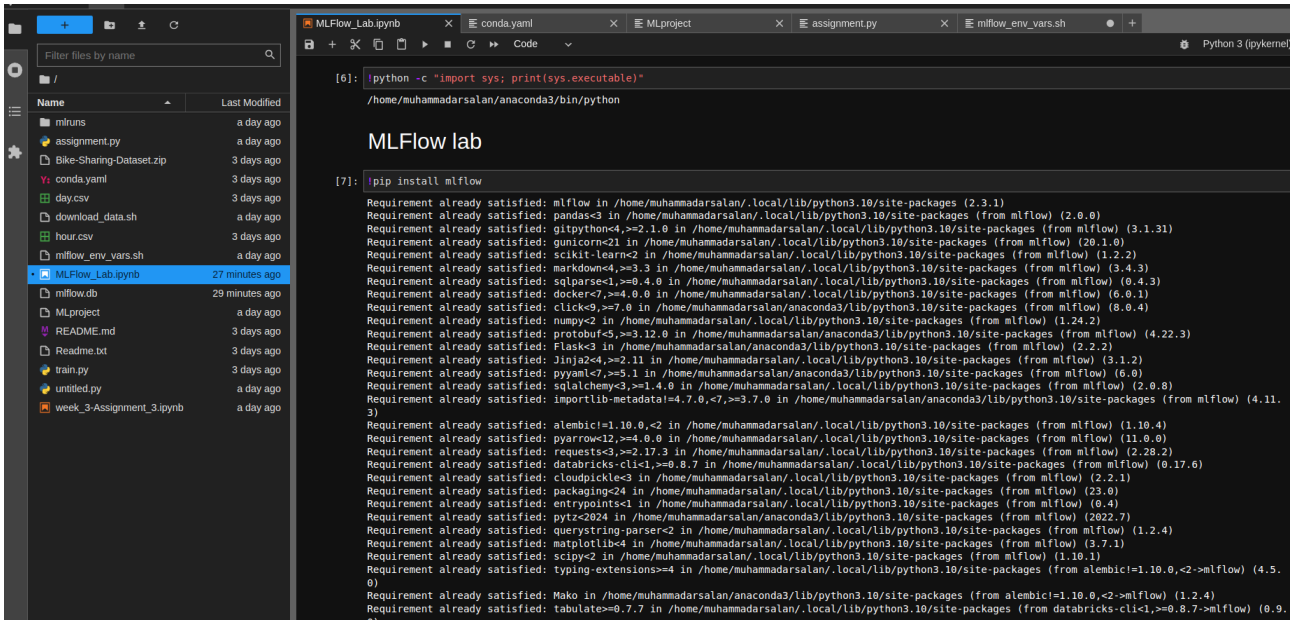
This is the Mlproject file in which we set the parameters and assign the assignment.py file and we use the RandomForestClassifier so we give the Depth so we gave the Max_k which default 10 as we set and also used the file_name.



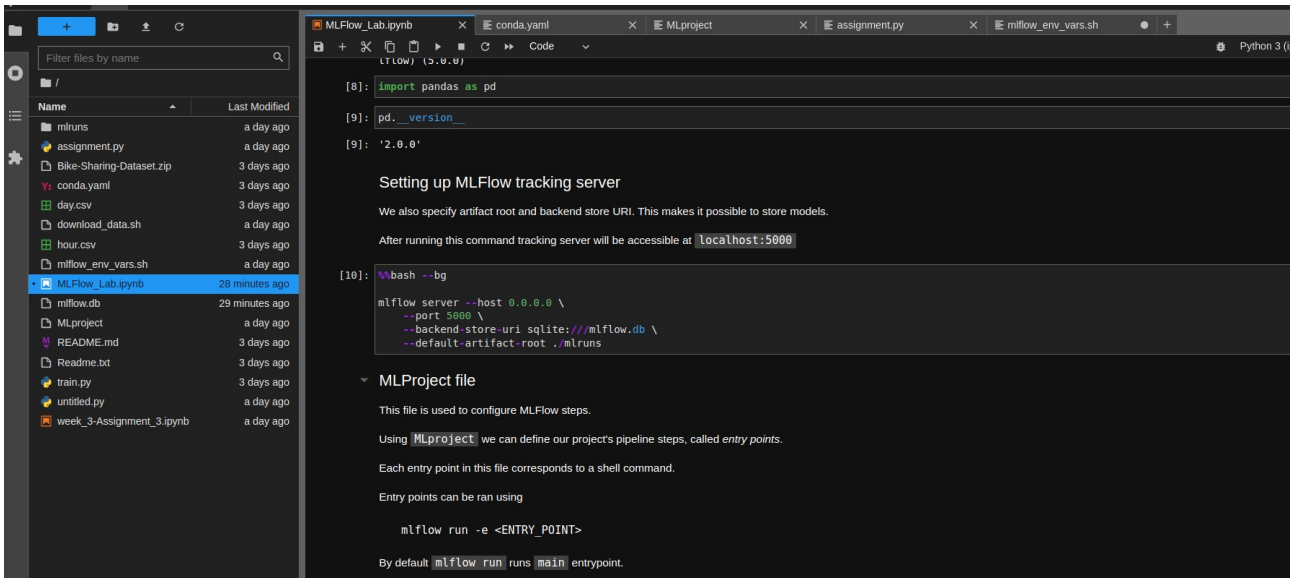
This is the conda.yaml file in which we set the dependencies which we used in your Project.



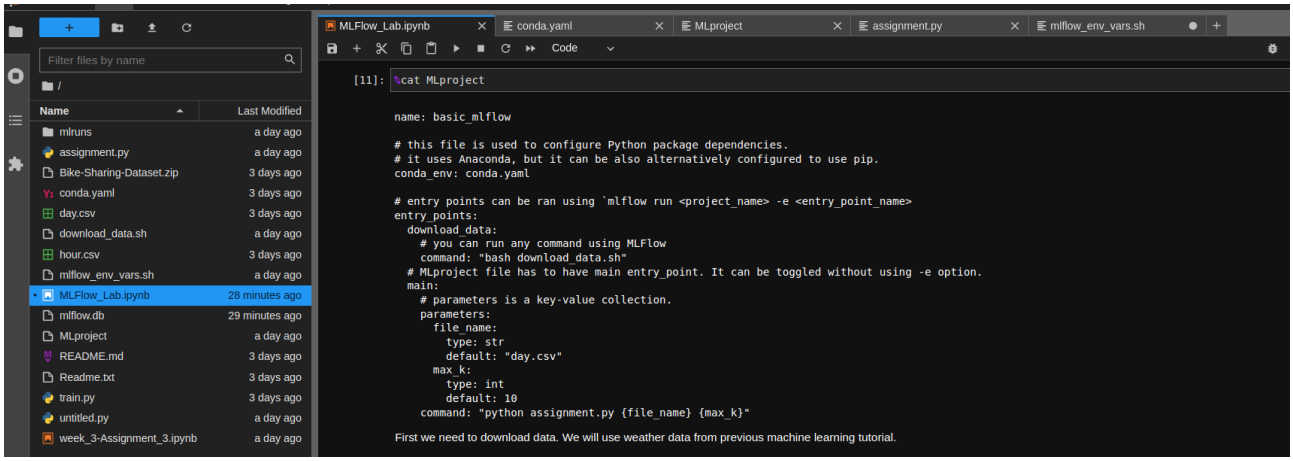
This is the Ml_Flow_lab.ipynb file in which we Firstly install mlflow which we used in your Project.



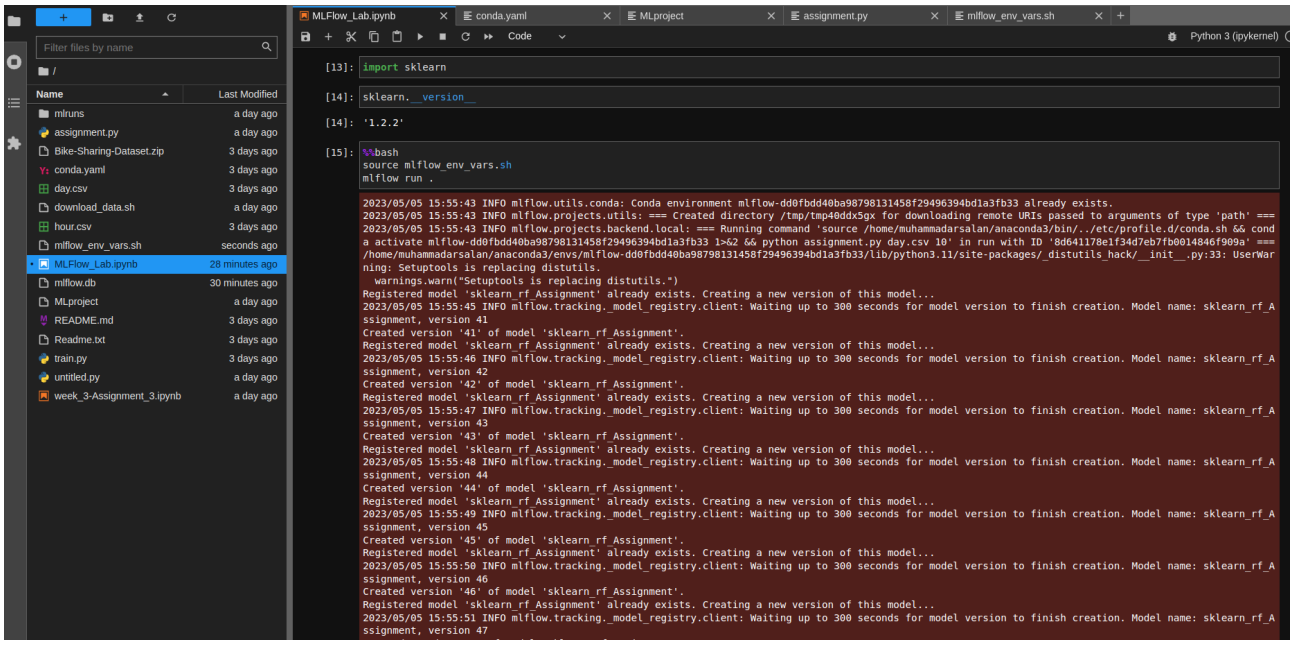
This is the Ml_Flow_lab.ipynb file in which we run our Project and check the result weather it is running or not in http://localhost:5000/#/models.



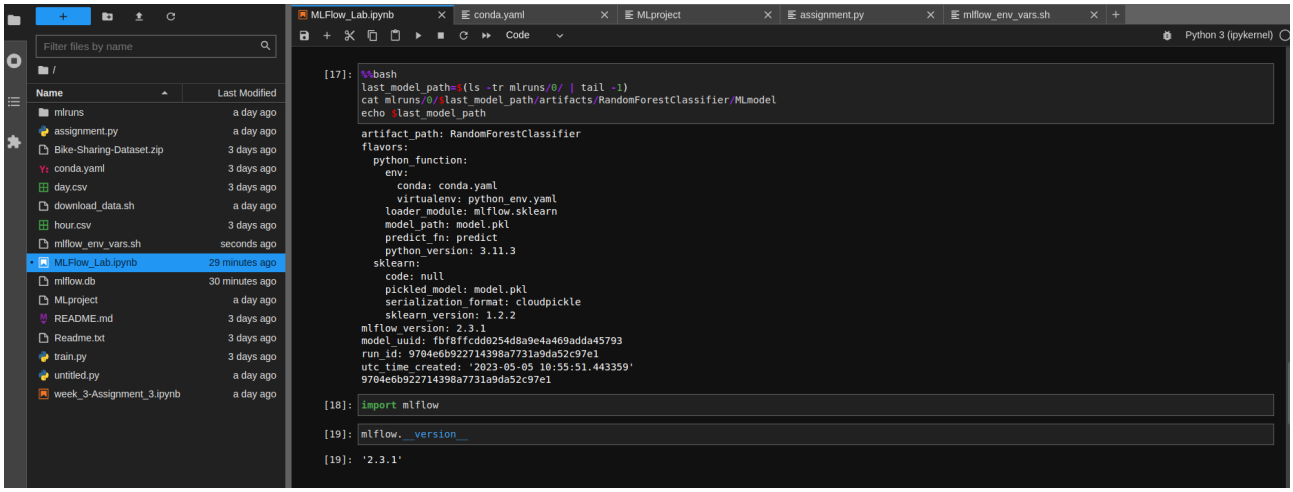
This is the cat command which is used to reads each File parameter in sequence and writes it to standard output.



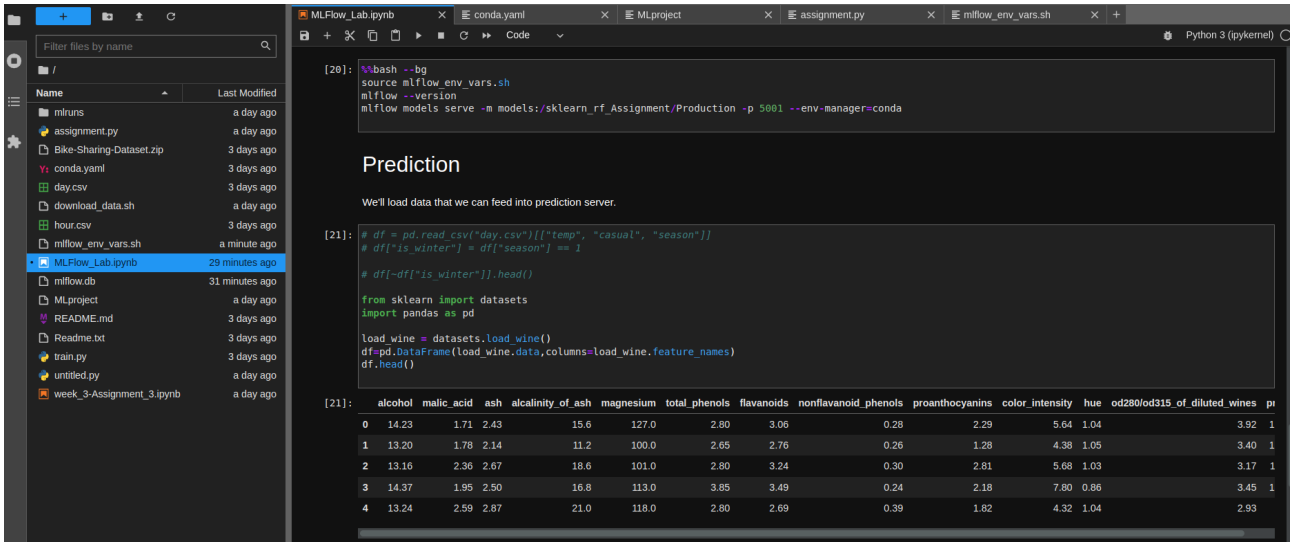
Now we import sklearn and `source mlflow_env_vars.sh; mlflow run .` runs an MLflow project in the current directory with the necessary environment variables sourced from `mlflow_env_vars.sh`. .



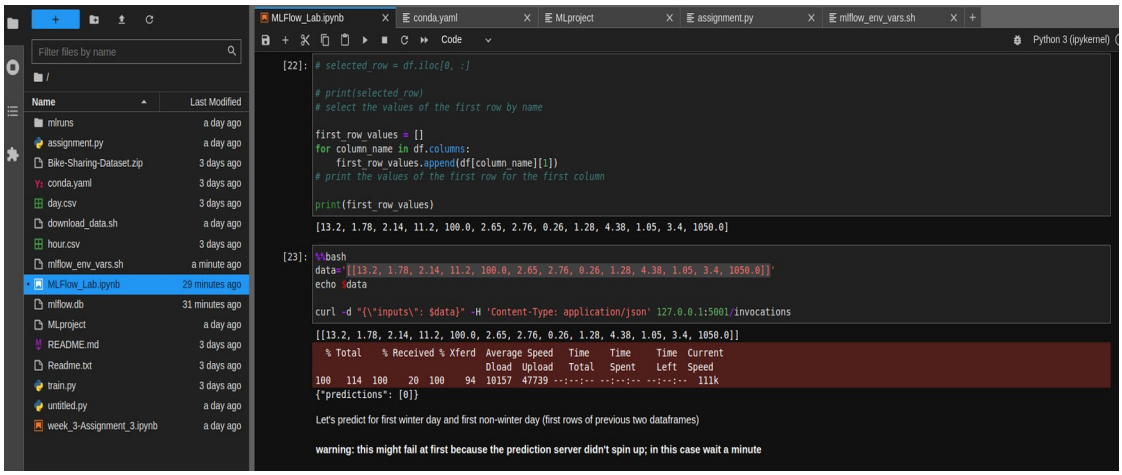
It will get the Model from previously train Model and Predict the newest train model.

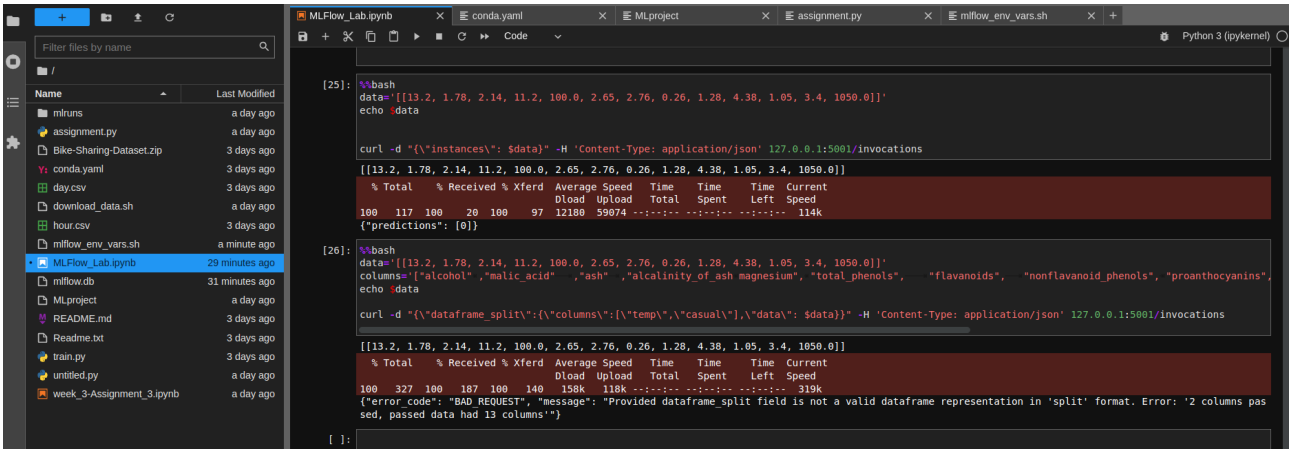


Now we load the Data of wine data set and show the first five column through using head().

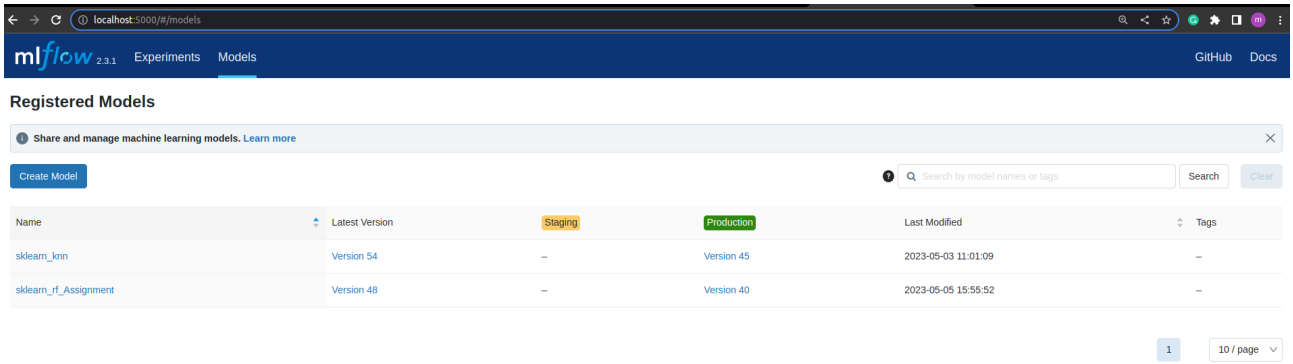


Now we put the values to predict it.

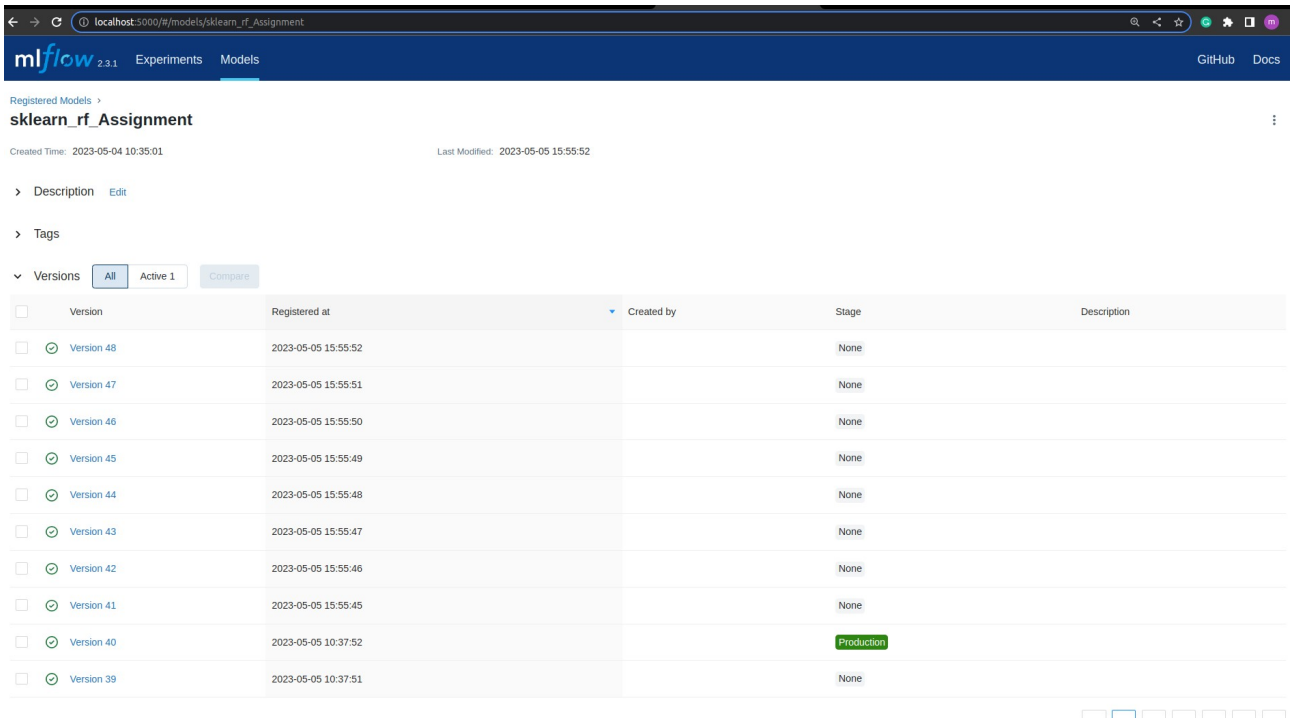




This it the http://localhost:5000/.



When we click the Sklearn_rf_Assignment this screen Appear.



Now we put the version in production mode.