**LAB # 05**

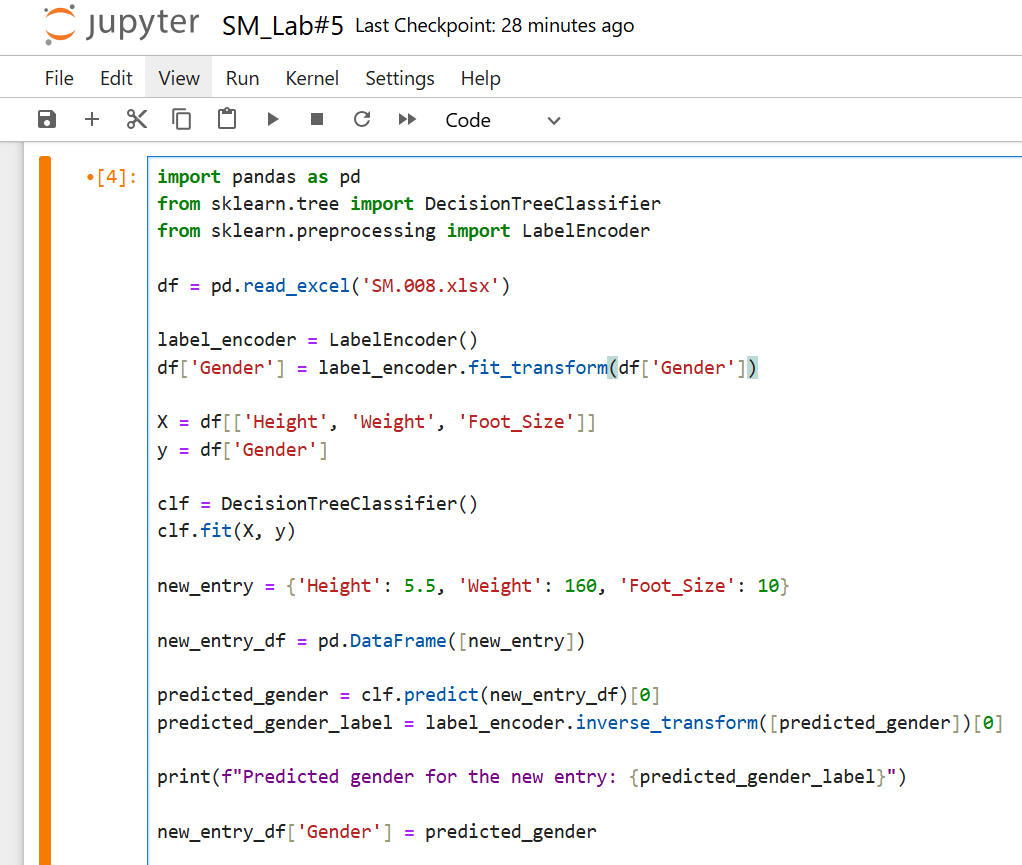
**SUPERVISED LEARNING (DECISION TREE)**

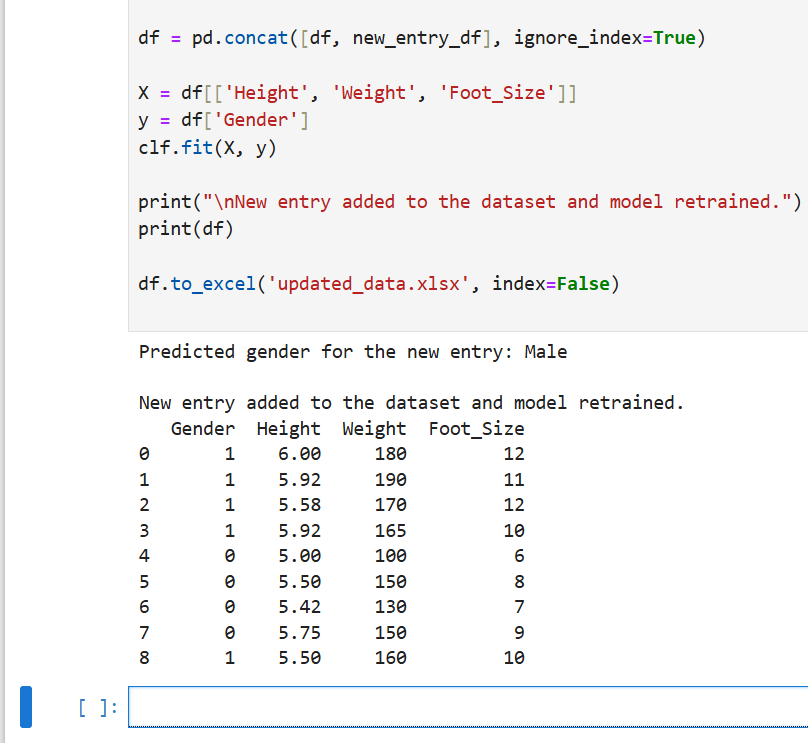
**OBJECTIVE**

Implementing supervised learning, DTS algorithm for training, testing and classification.

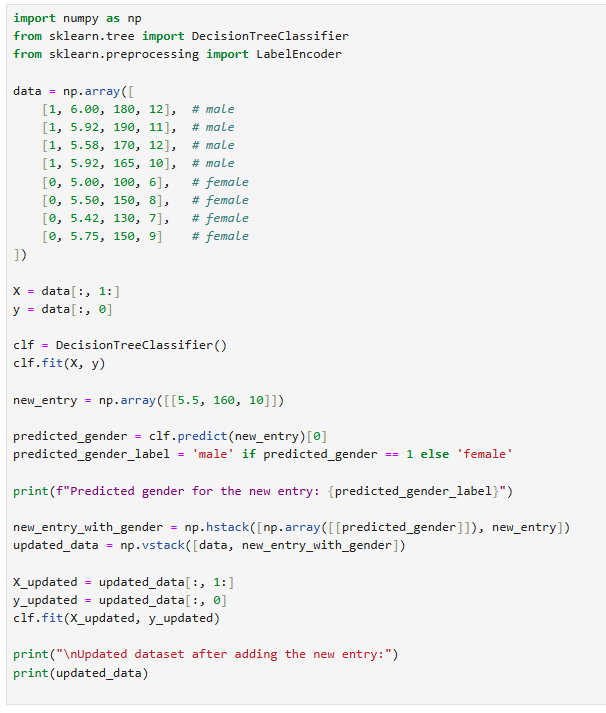
**Lab Tasks**

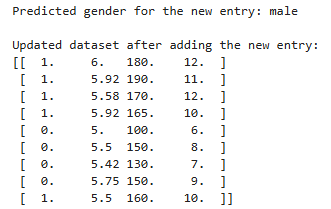
1. Implement the Decision tree algorithm on the data given in the table. 1 and predict the new entry entered by the user.



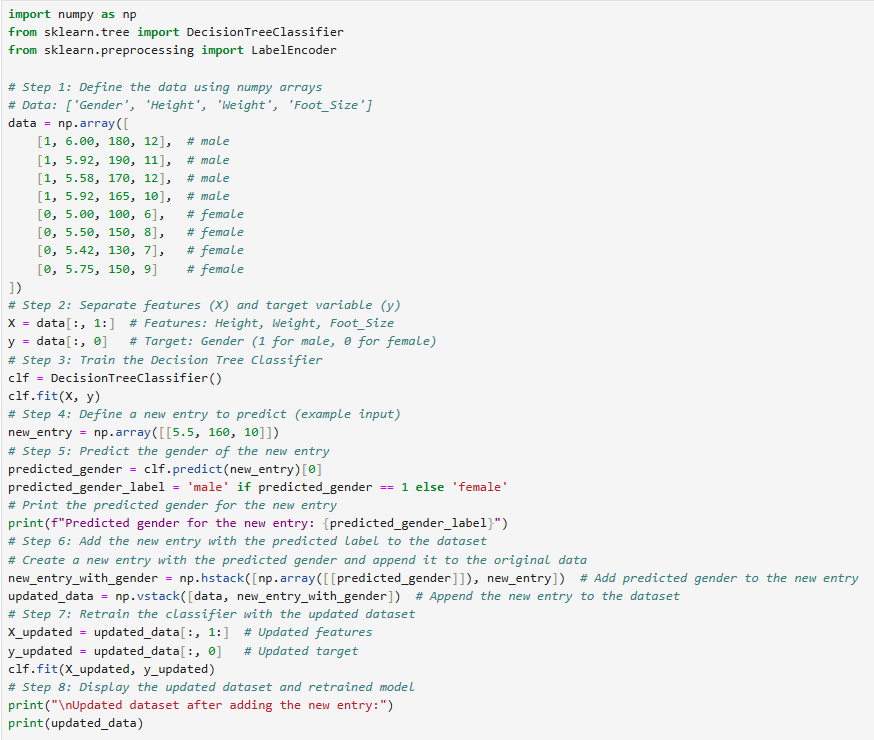


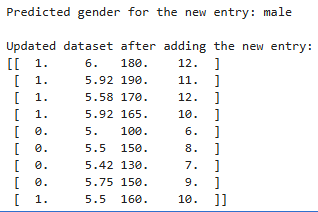
1. Implement Decision Tree using table. 1 in such a way that the new entry becomes the part of the given dataset.





1. Implement Decision Tree using table. 1 without the use of Pandas library. You can use numpy.





**Uploading Code File to GitHub:**