**LAB # 05**

**SUPERVISED LEARNING (DECISION TREE)**

**OBJECTIVE**

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

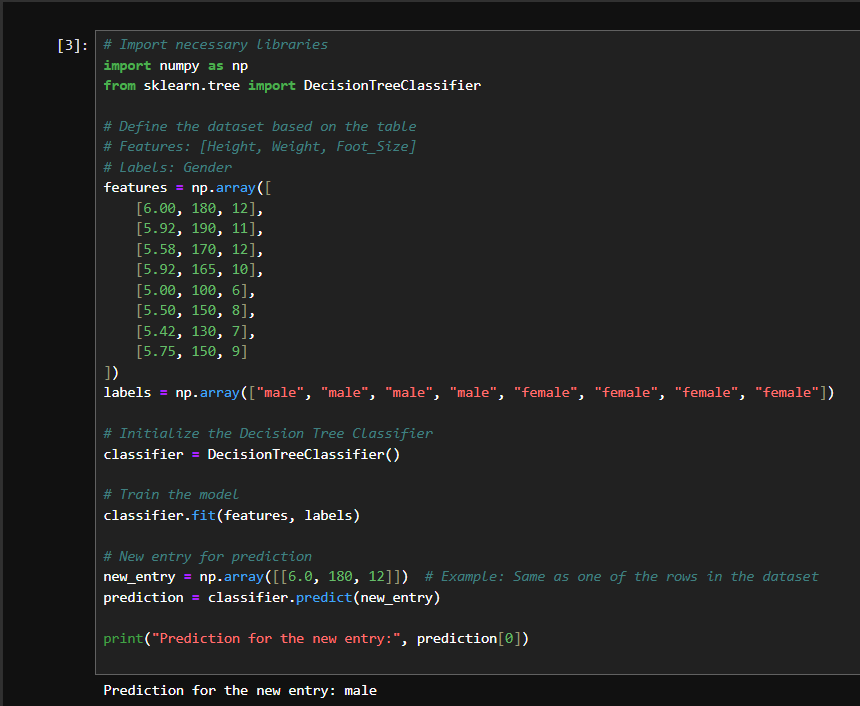
**Lab Tasks**

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

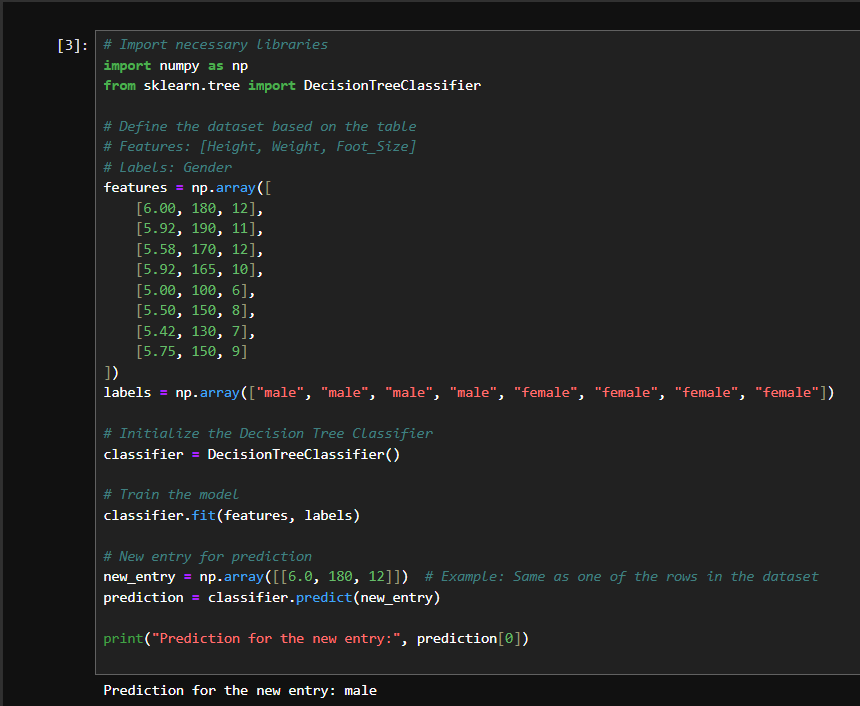
Table. 1

Text

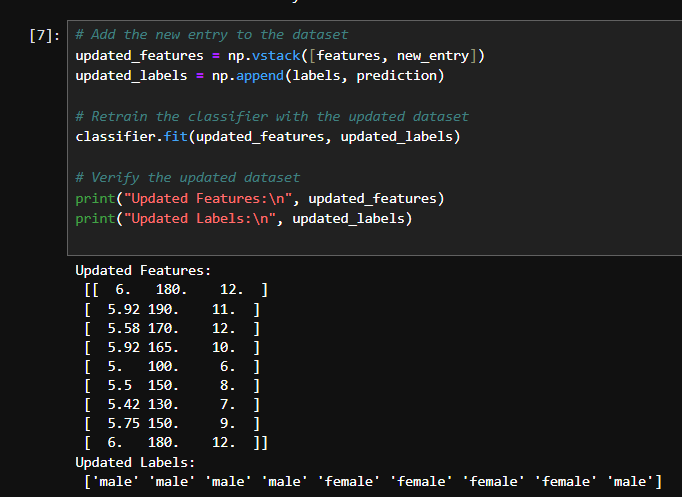
Description automatically generated with low confidence



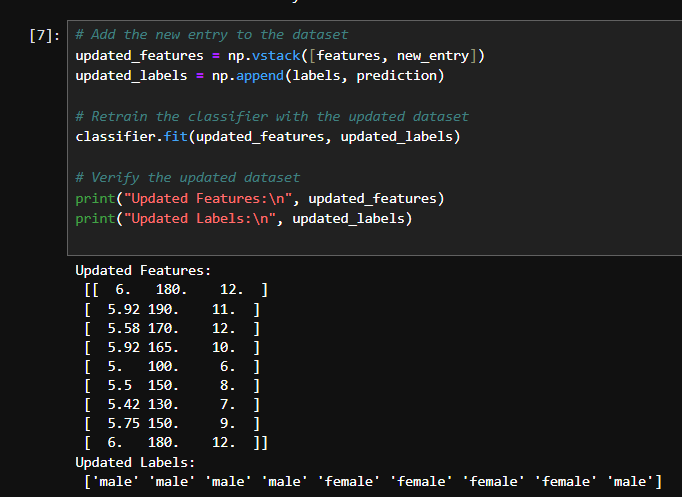
**Output:**



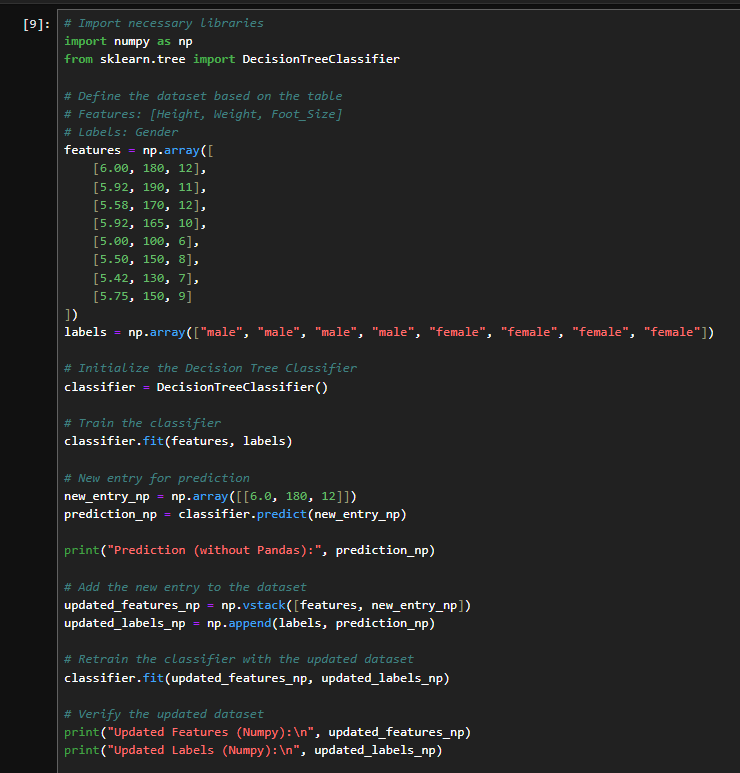
1. Implement Decision Tree using table. 1 in such a way that the new entry becomes the part of the given dataset.



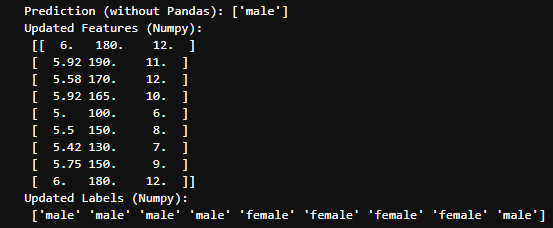
**Output:**



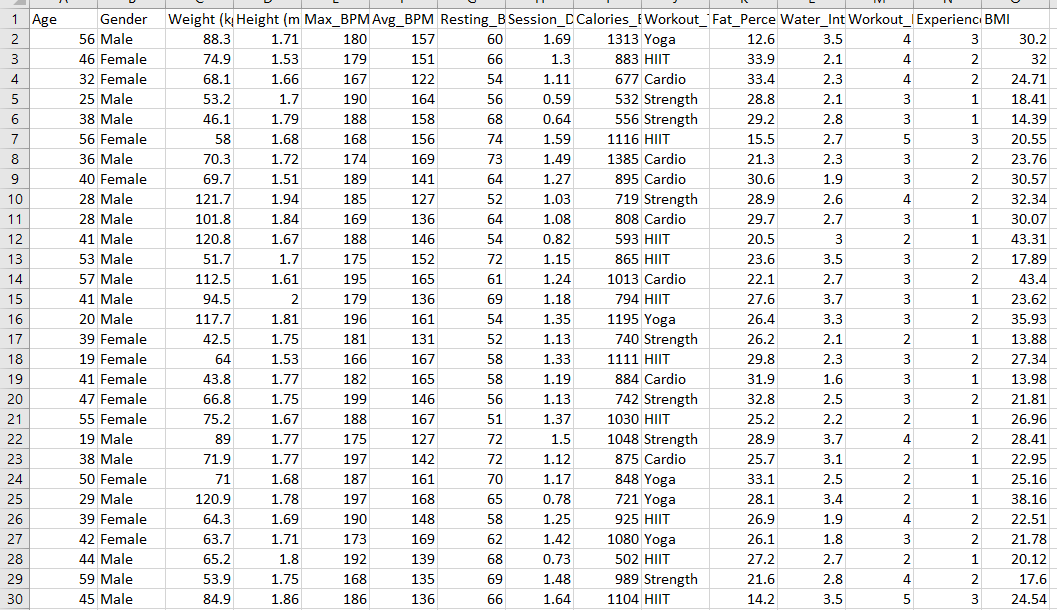
1. Implement Decision Tree using table. 1 without the use of Pandas library. You can use numpy.

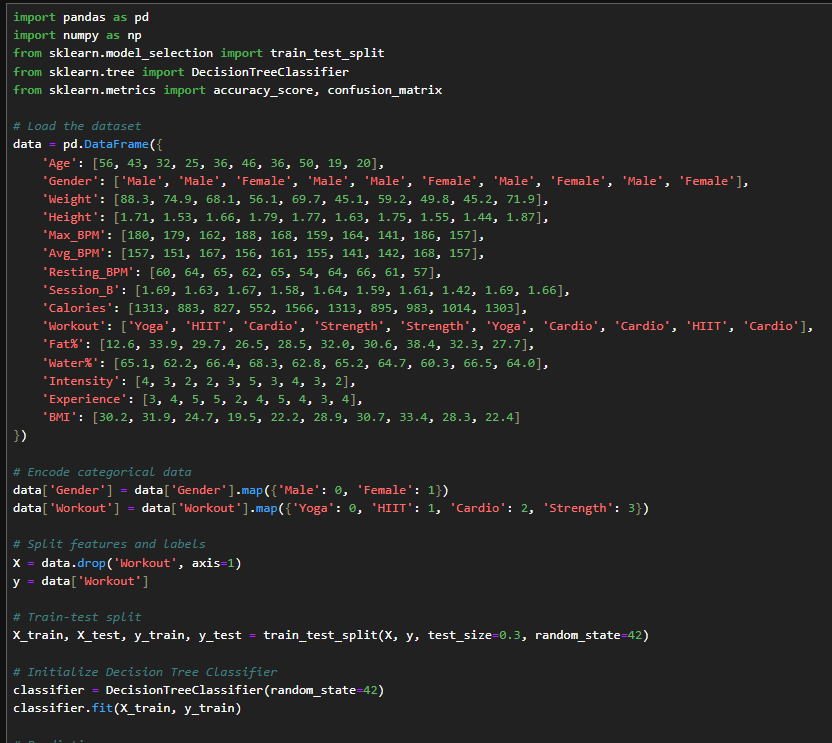


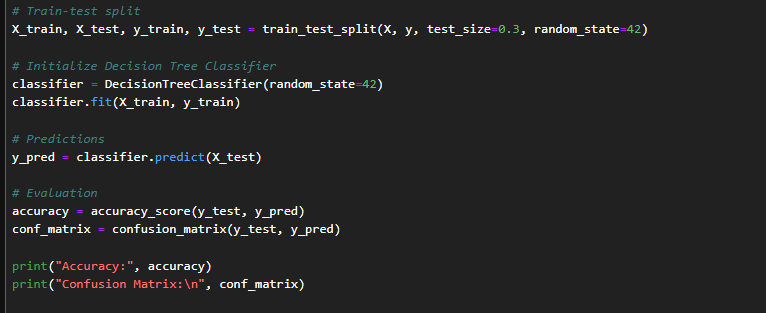
**Output:**



Home task







**Output:**

