**LAB # 05**

**SUPERVISED LEARNING (DECISION TREE)**

**OBJECTIVE:**

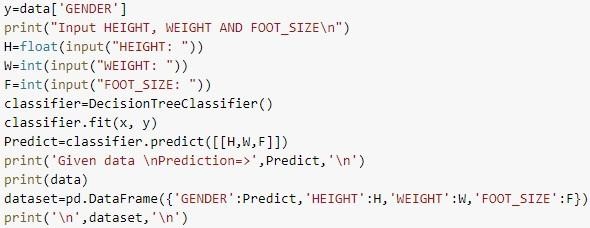
Implementing supervised learning, DTS algorithm for training, testing and classification.

**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.

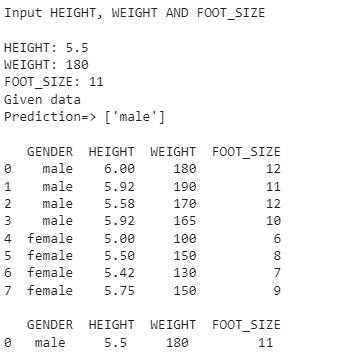


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| --- | --- |
| *SOURCE CODE:* |  |
|  | |



*OUTPUT*

**:**



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

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| *SOURCE CODE:* |
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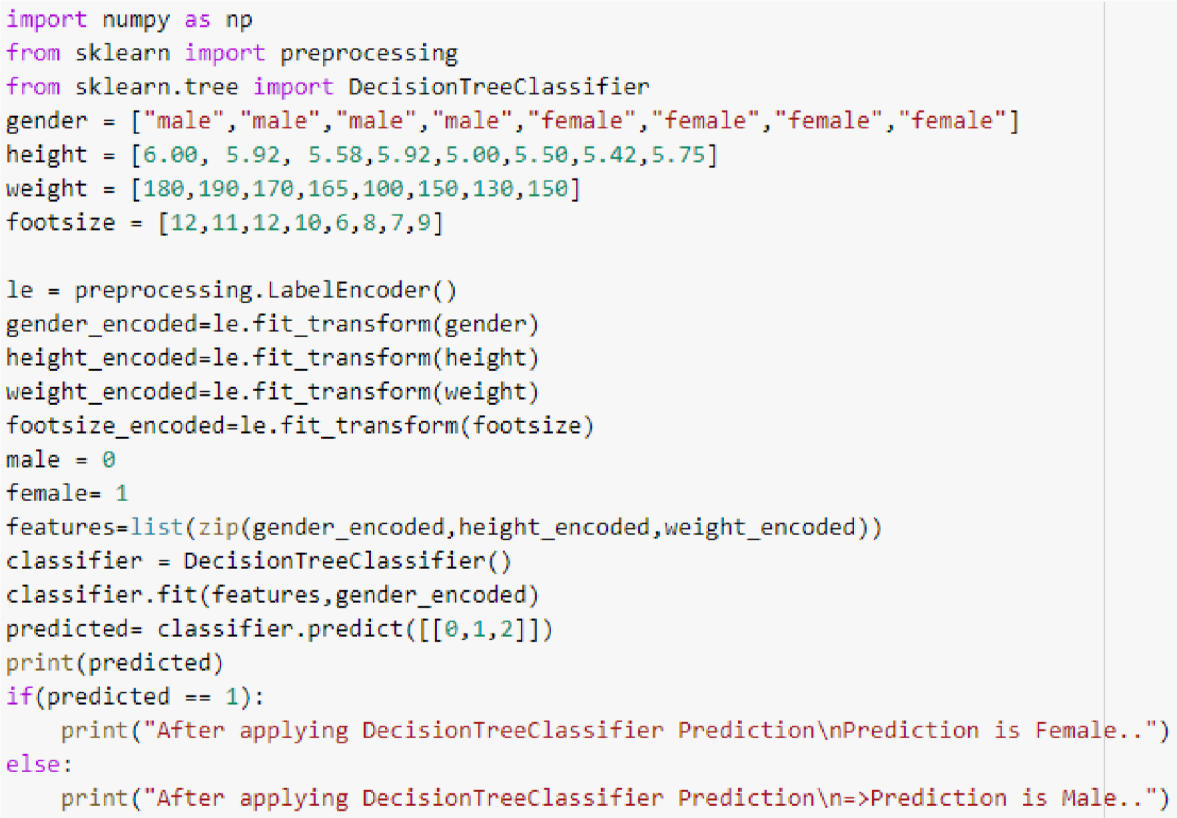
1. Implement Decision Tree using table. 1 without the use of Pandas library. You can use numpy.



***SOURCE CODE***



**:**



***OUTPUT*:**

