

EXPERIMENT – 10

OUTPUT:

The screenshot shows a Microsoft Visual Studio Code interface. The top bar includes icons for file operations, search, and navigation. The left sidebar contains icons for file, search, and other development tools. The main editor window displays a Python script named 10.py:

```
D: > College > Machine Learning > Experiments > Code Files > 10.py > ...
1  from sklearn.mixture import GaussianMixture
2  from sklearn.datasets import load_iris
3  iris = load_iris()
4  model = GaussianMixture(n_components=3)
5  model.fit(iris.data)
6  print("Means:", model.means_)
```

The terminal below the editor shows the output of the script:

```
Means: [[5.91697517 2.77803998 4.20523542 1.29841561]
 [5.006      3.428      1.462      0.246     ]
 [6.54632887 2.94943079 5.4834877  1.98716063]]
PS D:\College\Machine Learning\Experiments\Code Files>
```

The bottom status bar indicates the following settings: Spaces: 4, UTF-8, Python, 3.13.9 (Microsoft Store), and Go Live.