

EXPERIMENT – 15

PROGRAM:

```
from sklearn.naive_bayes import GaussianNB
from sklearn.datasets import load_iris
iris = load_iris()
X, y = iris.data, iris.target
model = GaussianNB()
model.fit(X, y)
new = []
for i in range(4):
    new.append(float(input(f"Enter feature {i+1}: ")))
print("Predicted class:", iris.target_names[model.predict([new])[0]])
```