

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]])
```