

EXP:19

```
from sklearn.naive_bayes import GaussianNB

import numpy as np

X = np.array([[25,30000],[35,50000],[45,70000],[50,90000]])

y = np.array([0,0,1,1])

model = GaussianNB()

model.fit(X,y)

age = int(input("Enter Age: "))

income = int(input("Enter Income: "))

result = model.predict([[age,income]])

if result[0] == 1:

    print("Loan Approved = Yes (1)")

else:

    print("Loan Approved = No (0)")
```



```
IDLE Shell 3.13.7
File Edit Shell Debug Options Window Help
Python 3.13.7 (tags/v3.13.7:bce1c3, Aug 14 2025, 14:15:11) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:\Users\spark\OneDrive\Pictures\Documents\Desktop\ITA-0612\EXP-19.py
Enter Age: 18
Enter Income: 20000
Loan Approved = No (0)
>>> KeyboardInterrupt
>>> KeyboardInterrupt
>>>
```

Ln: 10 Col: 0