Practical ___

| Writeup: | | |
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Practical ___

| Aim: | | |
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| Description: | | |
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Code:

```
import pandas as pd
from sklearn.datasets import load_iris
from sklearn.model selection import train test split
from sklearn.naive_bayes import GaussianNB
from sklearn import metrics
# Load Iris dataset
file path =("C:\\muskan\\iris.csv")
iris_data = pd.read_csv(file_path)
print(iris_data.head())
X = iris_data.drop('Species', axis=1)
# Features (excluding the 'Species' column)
y = iris data['Species']
# Split the dataset into training and tes2ng sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random_state=42)
# Create a Gaussian Naive Bayes classifier
classifier = GaussianNB()
# Train the classifier using the training data
classifier.fit(X_train, y_train)
# Make predic?ons on the test set
y_pred = classifier.predict(X_test)
# Calculate accuracy
accuracy = metrics.accuracy_score(y_test, y_pred)
print("Accuracy:", accuracy)
```

Output:

