```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
df=pd.read_csv("Salary_Data.csv")
x=df.iloc[:,:-1].values
y=df.iloc[:,1]
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=2/3,random_state=0)
from sklearn.linear_model import LinearRegression
regression=LinearRegression()
regression.fit(x_train,y_train)
y_pred=regression.predict(x_test)
x_pred=regression.predict(x_train)
plt.scatter(x_train,y_train,color="black")
plt.plot(x_test,x_pred,color="green")
plt.title("salary prediction")
plt.xlabel("years(Experience)")
plt.ylabel("salary(In Rupees)")
plt.show()
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
<ipython-input-2-52a83c96b932> in <cell line: 4>()
      2 import numpy as np
      3 import matplotlib.pyplot as plt
----> 4 df=pd.read_csv("Salary_Data.csv")
      5 x=df.iloc[:,:-1].values
      6 y=df.iloc[:,1]

                                 6 frames
/usr/local/lib/python3.10/dist-packages/pandas/io/common.py in get_handle(path_or_buf, mode, encoding, compression, memory_map,
is_text, errors, storage_options)
    854         if ioargs.encoding and "b" not in ioargs.mode:
    855             # Encoding
--> 856             handle = open(
    857                 handle,
    858                 ioargs.mode,

FileNotFoundError: [Errno 2] No such file or directory: 'Salary_Data.csv'
```