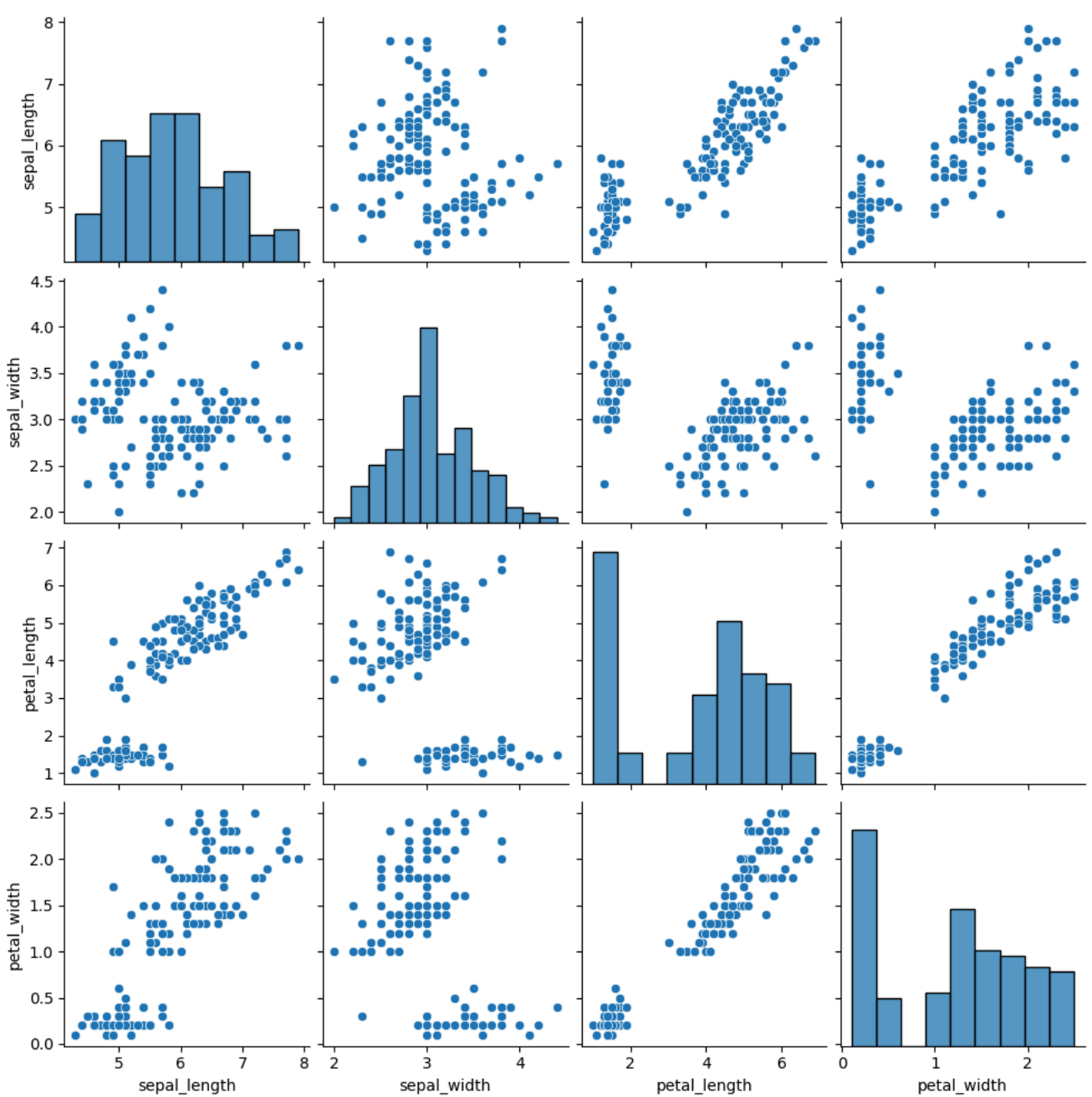
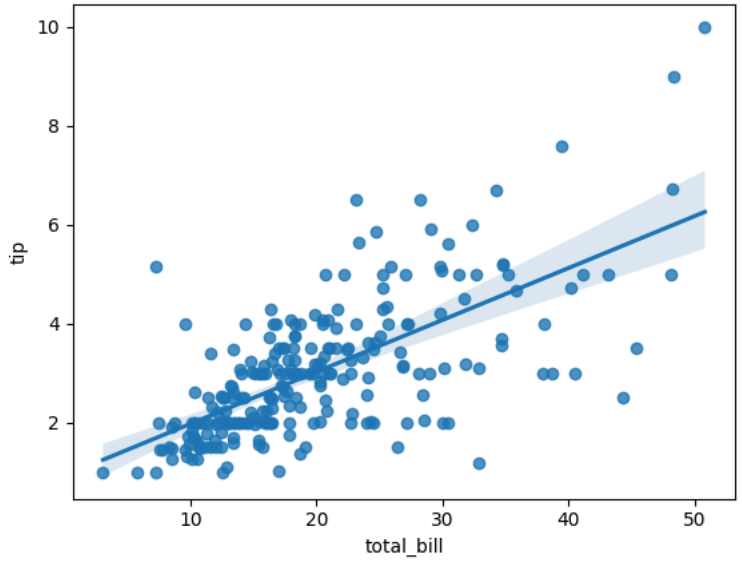
```
import matplotlib.pyplot as plt
import seaborn as sns
df=sns.load_dataset('iris')
#without regression
sns.pairplot(df,kind="scatter")
plt.show()
```


sepal_length
sepal_width
petal_length
petal_width

```
import matplotlib.pyplot as plt
import seaborn as sb
df=sb.load_dataset('tips')
sb.regplot(x="total_bill",y="tip",data=df)
plt.show()
```




```
import matplotlib.pyplot as plt
from scipy import stats


#create anarray for x and y axis
x=[5,7,8,7,2,17,2,9,4,11,12,9,6]
y=[99,86,87,88,111,86,103,87,94,78,77,85,86]



slope,intercept,r,p,std_err=stats.linregress(x,y)


def myfunc(x):
  return slope*x+intercept


mymodel=list(map(myfunc,x))


#draw the originalscatter plot
plt.scatter(x,y)
```

```
<matplotlib.collections.PathCollection at 0x7f0fa68c3250>
```


```
plt.plot(x,mymodel)
```

```
[<matplotlib.lines.Line2D at 0x7f0fa690f370>]
```