```
from sklearn.datasets import make_regression

#noise= the differences in the values of features
#bias = divides the target into number of parts to analyze
#returns X,y,z which are features, target and coefficient of linear
model
# z is returned only when coef= True

from numpy.random.mtrand import shuffle
X,y,z=make_regression(n_samples=100,coef=True,noise=15,bias=100,

shuffle=True,random_state=1,n_features=1,n_targets=1)

X.shape,y.shape

((100, 1), (100,))

z

array(80.71051956)

import matplotlib.pyplot as plt
plt.scatter(X,y,c=y,edgecolor='k')

# c parameter is the array of colours and edgecolor decides color of
border of marker

<matplotlib.collections.PathCollection at 0x7f7b25eb5a50>
```