```
Import pandas as pd
import random
from sklearn.linear_model import LinearRegression

fish_species=['Tuna','Salmon','Trout','Bass','Sardine','Cod','Mackerel']Weights=[]
for I in range(50):
fish_weight=[]
for j in range(7):
weight=random.randint(1,20)
fish_weight.append(weight)
weights.append(fish_weight)
df=pd.DataFrame(weights,columns=fish_species)

X=df.iloc[:,:-1]
y=df.iloc[:,-1]
model=LinearRegression()
model.fit(X,y)

new_fish=[[10,12,15,7,4,8]]
predicted_weight=model.predict(new_fish)
print("Predictedweight:",predicted_weight)
```