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In [ ]: # Load libraries
import pandas as pd
from sklearn.tree import DecisionTreeClassifier # Import Decision Tree Classifier
from sklearn.model_selection import train_test_split # Import train_test_split
from sklearn import metrics #Import scikit-learn metrics module for accuracy c
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In [36]: col_names = ['pregnant', 'glucose', 'bp', 'skin', 'insulin', 'bmi', 'pedigree']
# load dataset
pima = pd.read_csv("diabetes.csv", header=None, names=col_names)
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In [37]: pima.head()
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Out[37]:
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	pregnant	glucose	bp	skin	insulin	bmi	p
0	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigree
1	6	148	72	35	0	33.6	
2	1	85	66	29	0	26.6	
3	8	183	64	0	0	23.3	
4	1	89	66	23	94	28.1	

```
In [38]: #split dataset in features and target variable
feature_cols = ['pregnant', 'insulin', 'bmi', 'age', 'glucose', 'bp', 'pedigree']
X = pima[feature_cols] # Features
y = pima.label # Target variable
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In [39]: # Split dataset into training set and test set
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random
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In [42]: import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeRegressor
from sklearn import metrics

# Load dataset
data = pd.read_csv("Salary_Data.csv")

# Features and target
X = data[['YearsExperience']] # independent variable
y = data['Salary'] # dependent variable

# Train-test split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random

# Create Decision Tree Regressor
clf = DecisionTreeRegressor(random_state=1)
clf.fit(X_train, y_train)

# Predictions
y_pred = clf.predict(X_test)
```


