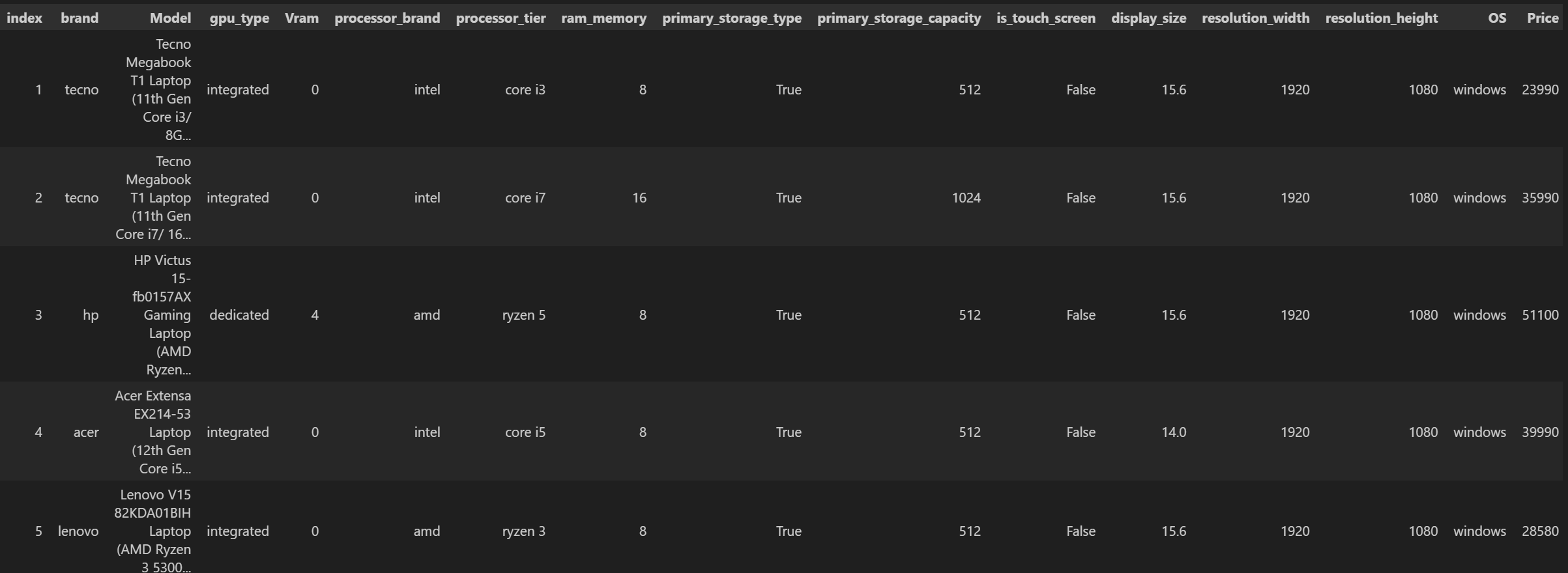
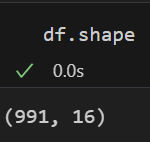
**Laptop Price Prediction**

**DATA:**

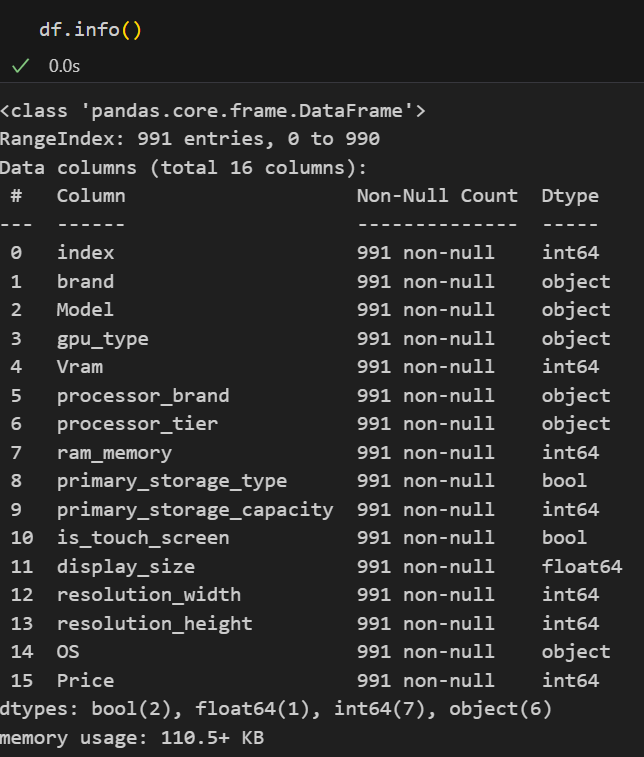
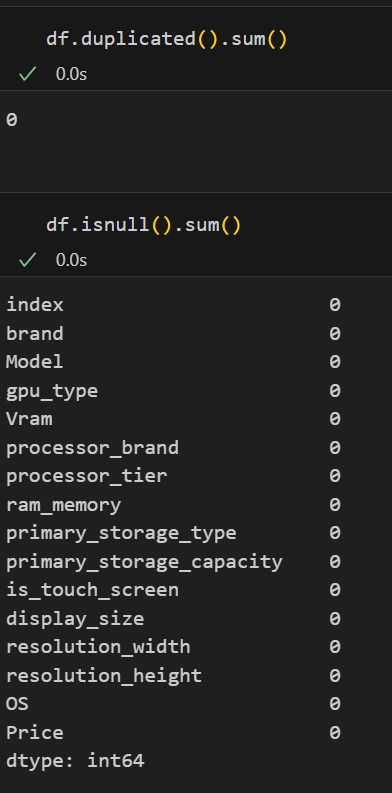
**Data before preprocessing:**



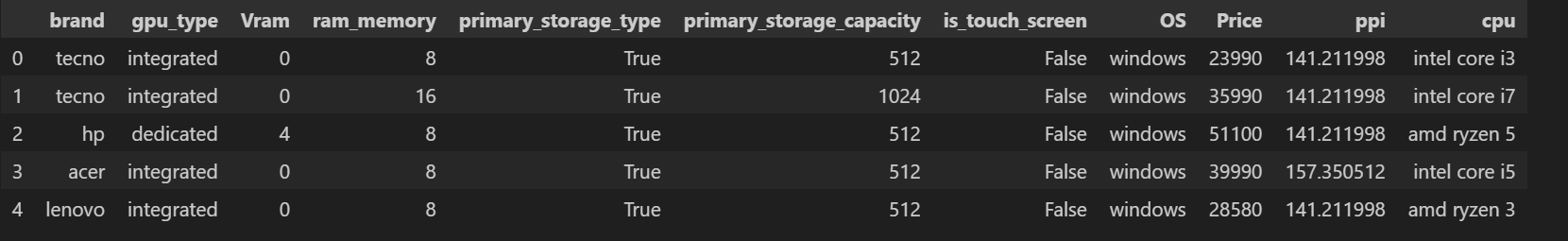
**Data shape before preprocessing:**



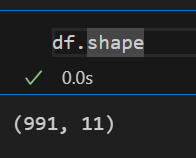
**Data info:**



**Data after preprocessing:**

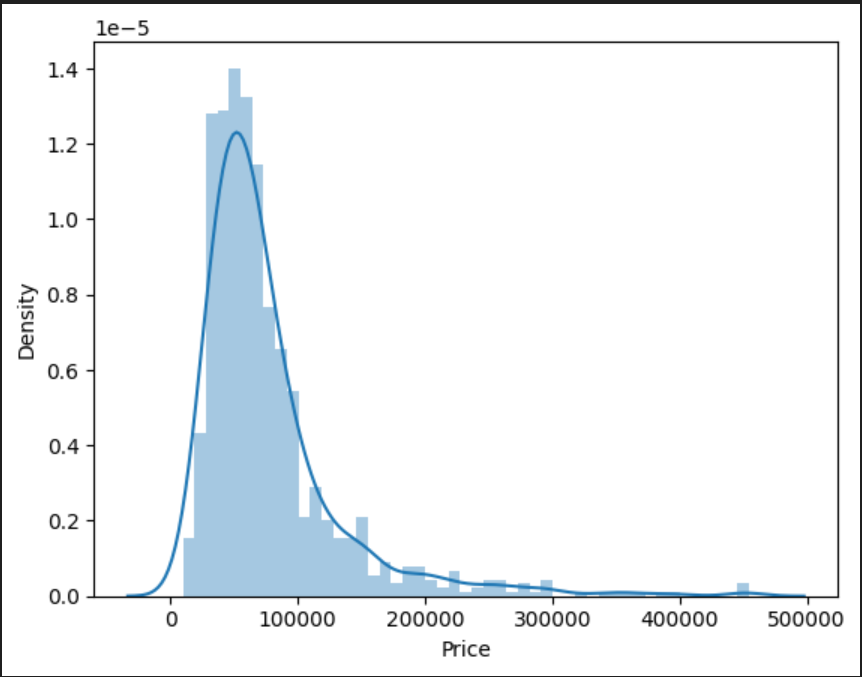


Data shape:



**Distribution of price:**

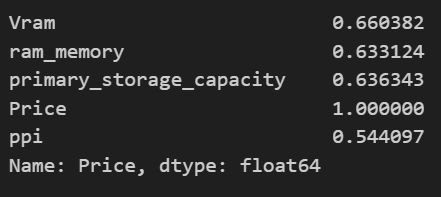
sns.distplot(df['Price'])



**Corelation matrix:**

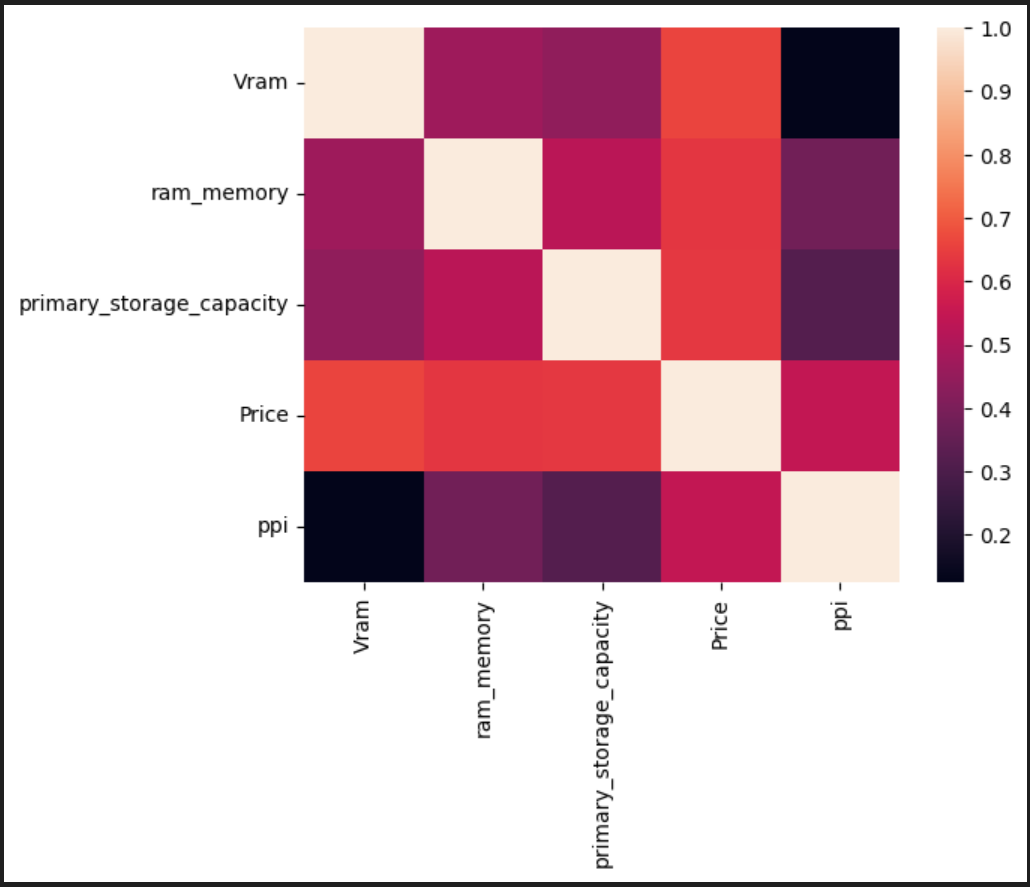
df\_numeric = df.select\_dtypes(include=['number'])

df\_numeric.corr()['Price']



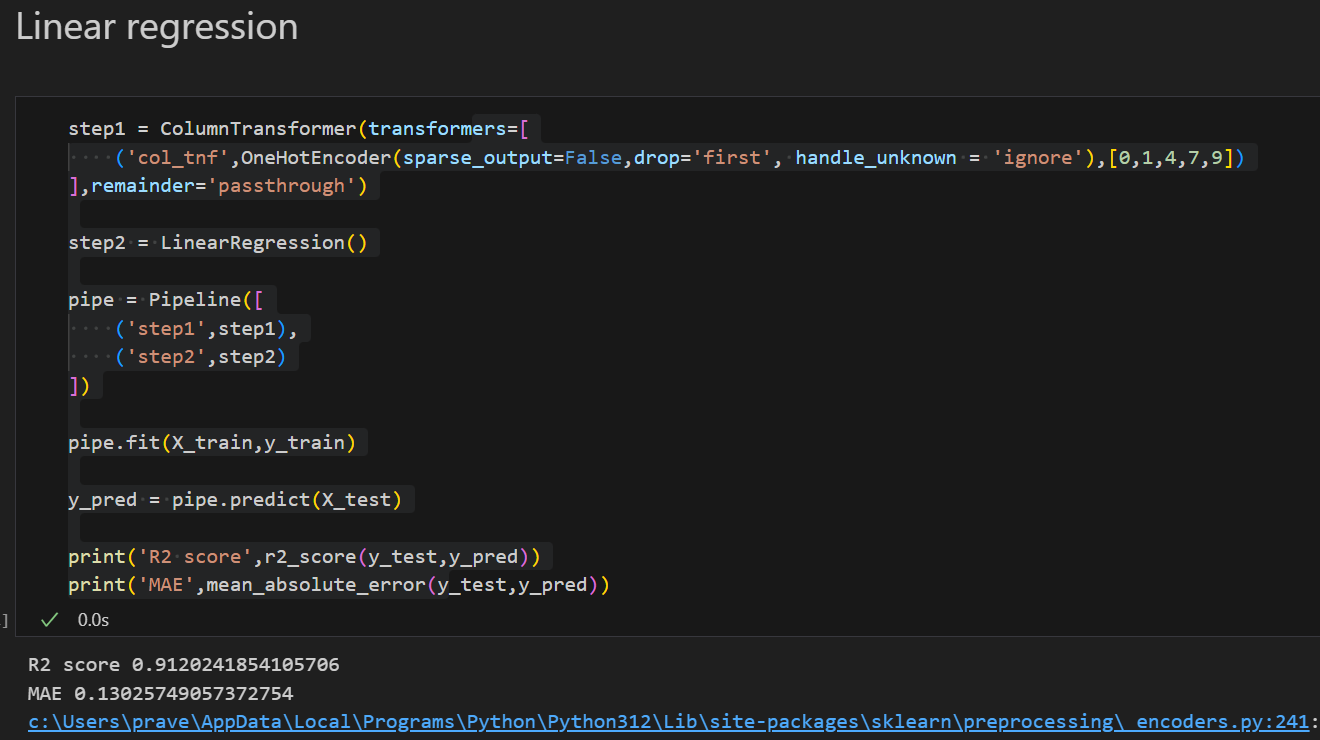
**Heatmap:**

sns.heatmap(df\_numeric.corr())



**MODELS:**

**Linear Regression:**



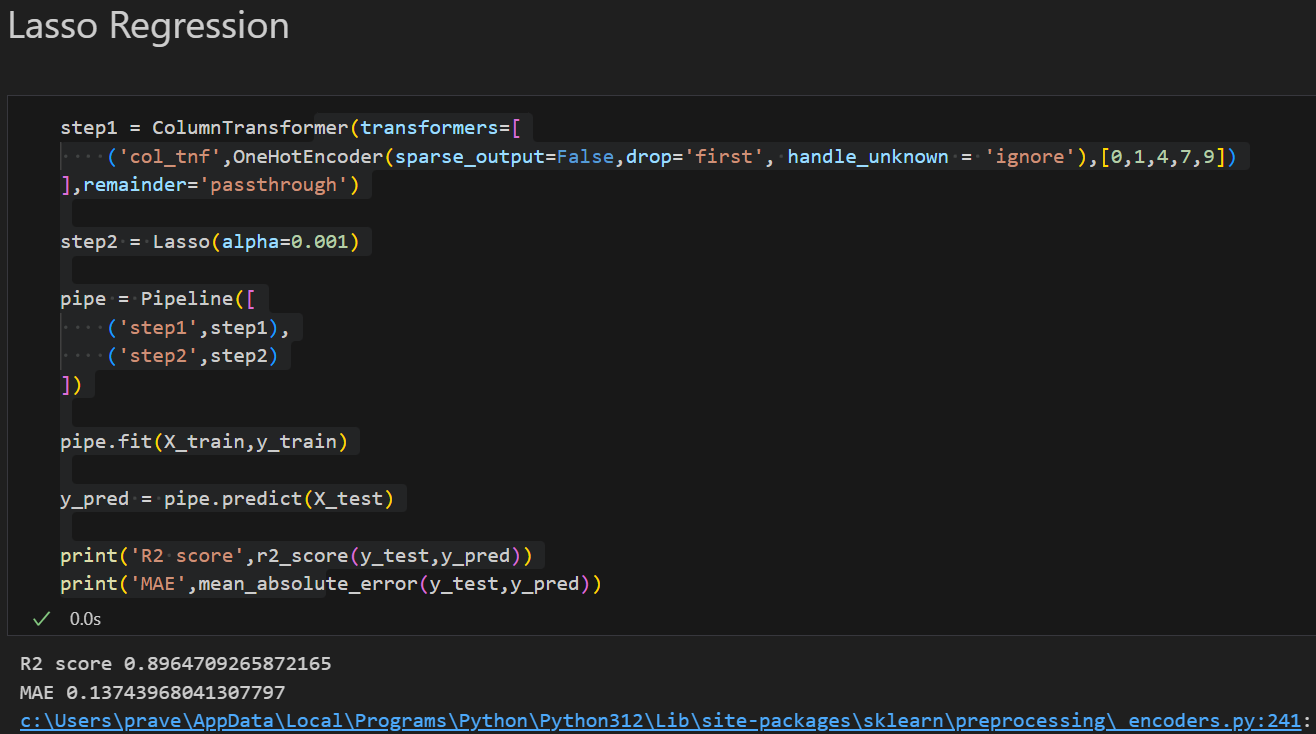
**Accuracy:** 91%

**Ridge Regression:**



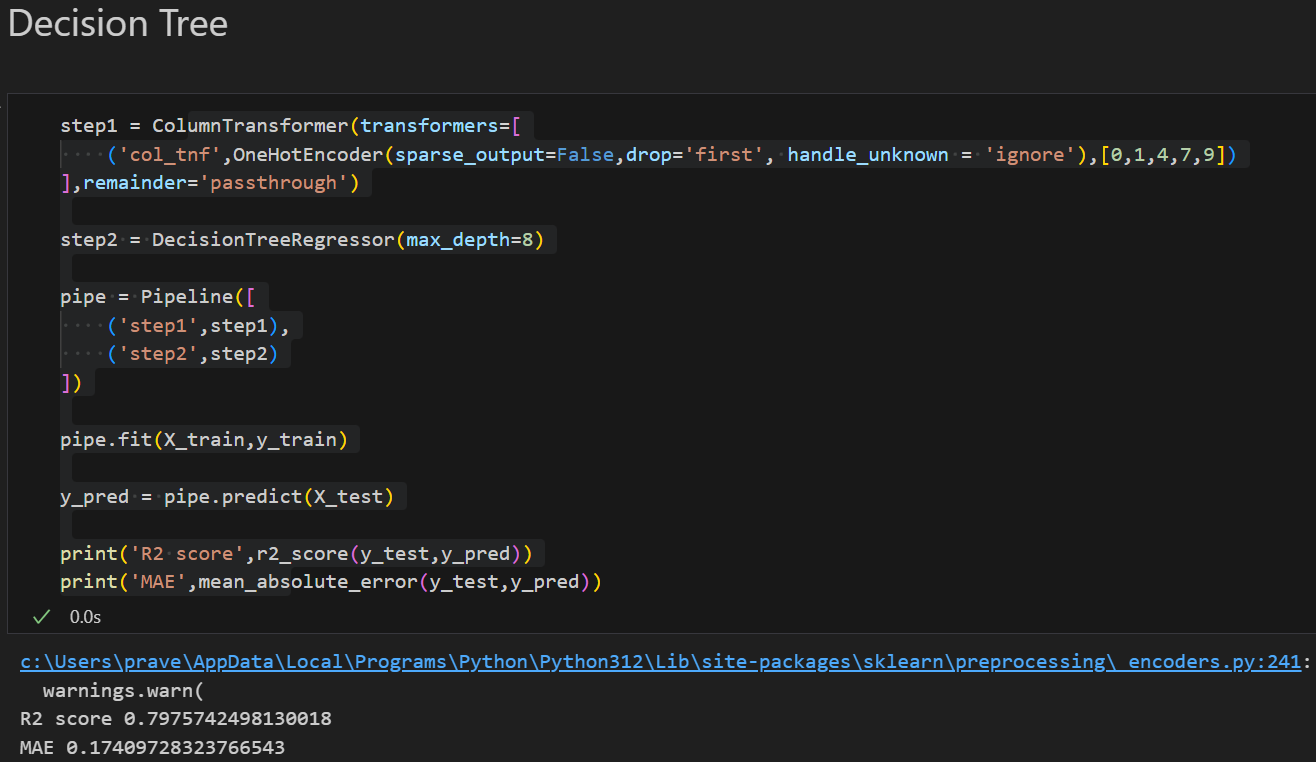
**Accuracy:** 88%

**Lasso Regression:**



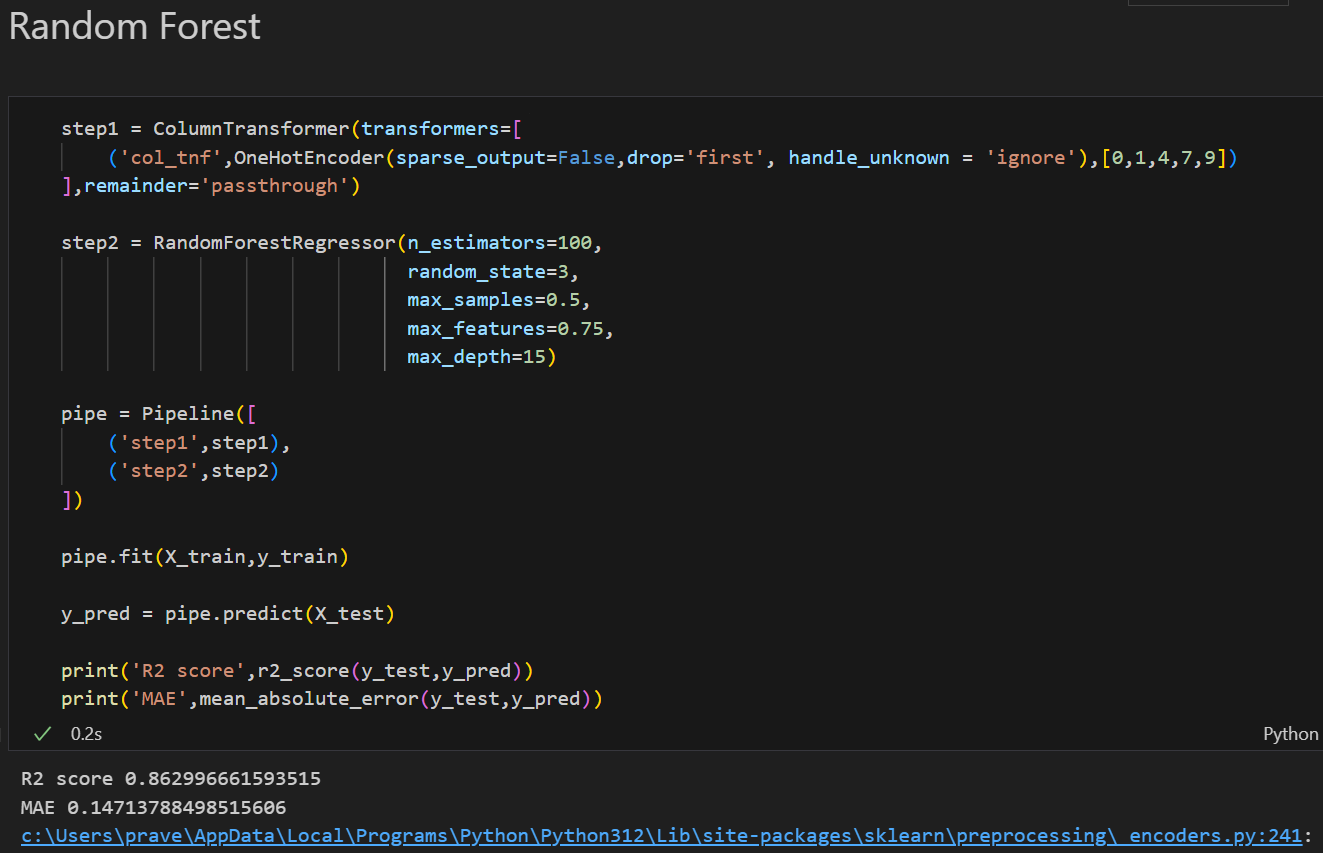
**Accuracy:** 89%

**Decision Tree:**



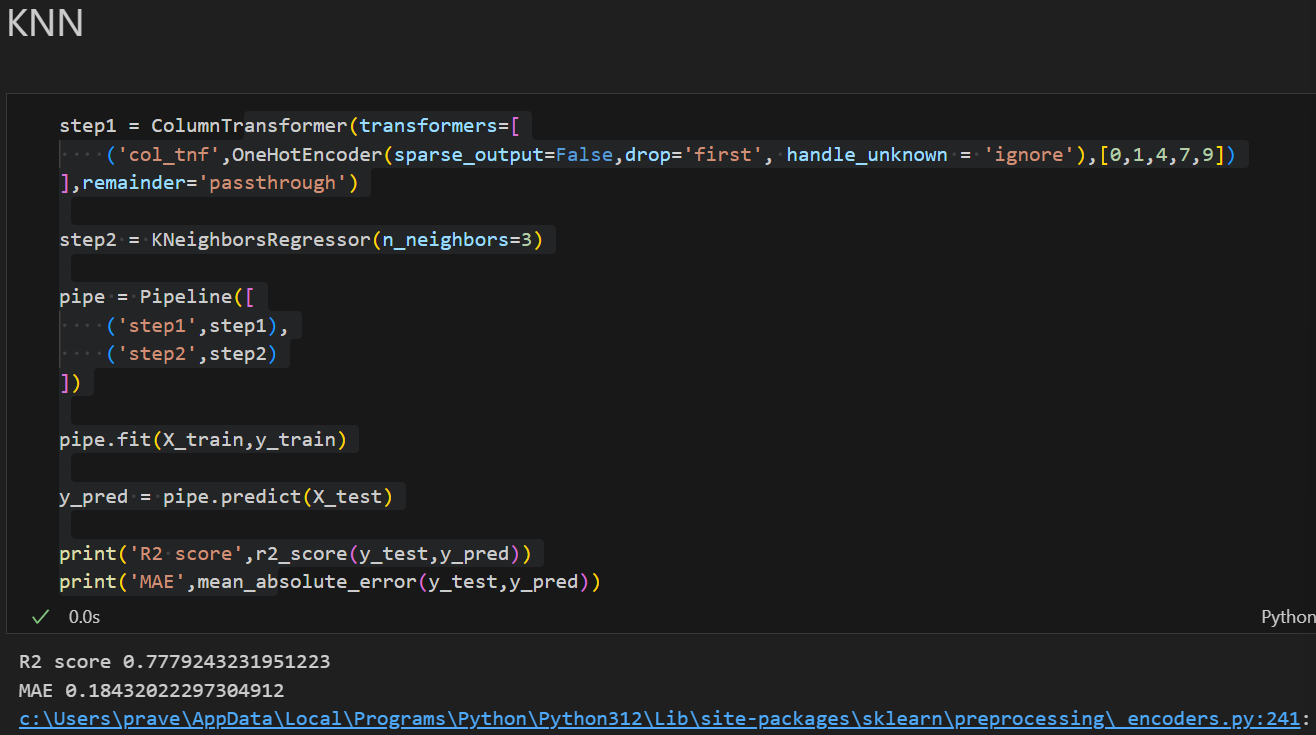
**Accuracy:** 79%

**Random Forest:**



**Accuracy:** 86%

**KNN:**



**Accuracy:** 77%

**SVM:**



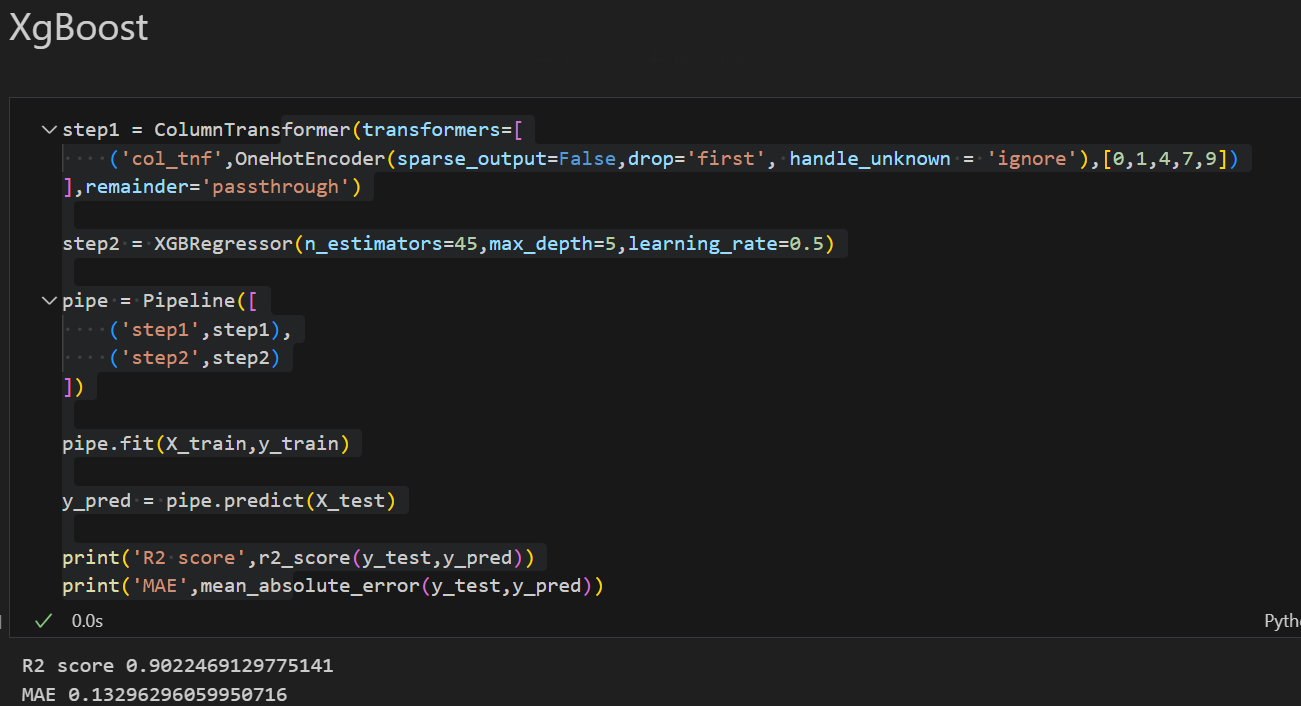
**Accuracy:** 88%

**Gradient Boost:**



**Accuracy: 92%**

**XgBoost:**



**Accuracy:** 90%

**Conclusion:**

Gradient Boost has the highest accuracy among the given Models, followed by linear regression and XgBoost.