```
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

```
from sklearn.ensemble import RandomForestClassifier

import pandas as pd
data = pd.read_csv('/content/drive/MyDrive/archive
(5)/ecommerce_product_dataset.csv')

x_train = data[['Sales','ProductID']]
y_train = data['Price']

from sklearn.ensemble import RandomForestRegressor

RFC = RandomForestRegressor(random_state=0) # Use
RandomForestRegressor for continuous target
RFC.fit(x_train,y_train)
```

```
RandomForestRegressor(random_state=0)
```

```
# prompt: create a code for the above datasets for predicting the
price using sales and productid (condition : if productid<500 print
price is low or high) based on user input

def predict_price(sales, product_id):
  predicted_price = RFC.predict([[sales, product_id]])
  if product_id < 500:
    if predicted_price < 200:
      print("Price is low")
    else:
      print("Price is high")
  else:
    print("Price prediction not available for products with ID >=
500")

# Get user input
sales = float(input("Enter sales: "))
product_id = int(input("Enter product ID: "))

# Predict price and print message
predict_price(sales, product_id)
```

```
Enter sales: 543
Enter product ID: 23
Price is high

/usr/local/lib/python3.10/dist-packages/sklearn/base.py:439:
UserWarning: X does not have valid feature names, but
```

```
RandomForestRegressor was fitted with feature names
  warnings.warn(
```