```
import numpy as np
import pandas as pd
from sklearn.cluster import KMeans
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
import matplotlib.pyplot as plt
from sklearn.preprocessing import StandardScaler
```

[2]
```
scaler = StandardScaler()
```

[5]
```
data = pd.read_csv("Automobile.csv")
X = data.iloc[:, 1:-2]
columns = X.columns
comparison_labels = [ "Good", "Average", "Bad"]
colors = ["green", "blue", "red"]
```

[7]
```
X = X.fillna(X["horsepower"].mean())
X["weight"] =1/X["weight"]
```

[8]
```
kmeans = KMeans(n_clusters=3, random_state=0, init="k-means++")
result = kmeans.fit_predict(X)
```

0s