In [1]:

```
#importing the required modules.

import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt

import os
for dirname, _, filenames in os.walk('/kaggle/input'):
    for filename in filenames:
        print(os.path.join(dirname, filename))
```

In [2]:

```
train = pd.read_csv('/kaggle/input/mobile-price-classification/train.csv')
```

In [3]:

```
train.shape
```

In [4]:

```
train.columns
```

In [5]:

```
train.isnull().sum()
```

In [6]:

```
train.info()
```

In [7]:

```
train.describe()
```

In [8]:

```
train.price_range.nunique()
```

In [9]:

```
train.price_range.unique()
```

In [10]:

```
X = train.drop('price_range',axis = 1)
y = train['price_range']
```

In [11]:

```
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.33, random_state=4
2)
```

In [12]:

```
from sklearn.neighbors import KNeighborsClassifier

model = KNeighborsClassifier()

# Train the model using the training sets
model.fit(X_train,y_train)
```

```
#Predict Output
predicted= model.predict(X_test)
```

In [13]:

```
from sklearn.metrics import accuracy_score

accuracy = accuracy_score(y_test,predicted)
accuracy
```

In [14]:

```
print(f'This Model is {accuracy} Acccurate')
```

In [ ]:

```

```