

**Q1)**

**Q2)**

```
from sklearn.model_selection import train_test_split  
from sklearn.linear_model import LinearRegression  
import pandas as pd
```

```
df = pd.read_csv("kc_house_data.csv")
```

```
df
```

```
features = ['bedrooms', 'bathrooms', 'sqft_living', 'sqft_lot']
```

```
target = 'price'
```

```
X= df[features]
```

```
y= df[target]
```

```
X_train, X_test, y_train, y_test = train_test_split(X,y, test_size=0.2)
```

```
model = LinearRegression()
```

```
model.fit(X_train, y_train)
```

```
y_pred = model.predict(X_test)  
y_pred  
  
score = model.score(X_test, y_test)  
print("Model R^2 Score:", score)
```