Question-1

The dataset provided in **'kc_house_data.csv'** contains house sale prices for King County, which includes Seattle. It includes homes sold between May 2014 and May 2015.

Variable	Description
id	A notation for a house
date	Date house was sold
price	Price is prediction target
bedrooms	Number of bedrooms
bathrooms	Number of bathrooms
sqft_living	Square footage of the home
sqft_lot	Square footage of the lot
floors	Total floors (levels) in house
waterfront	House which has a view to a waterfront
view	Has been viewed
condition	How good the condition is overall
grade	overall grade given to the housing unit, based on King County grading system
sqft_above	Square footage of house apart from basement
sqft_basement	Square footage of the basement
yr_built	Built Year
yr_renovated	Year when house was renovated
zipcode	Zip code
lat	Latitude coordinate
long	Longitude coordinate
sqft_living15	Living room area in 2015(implies-- some renovations) This might or might not have affected the lotsize area
sqft_lot15	LotSize area in 2015(implies-- some renovations)

Perform the following tasks :

1) Load the csv to a dataframe named 'house_survey'.
2) Display the first 5 rows of the dataframe.
3) Display the data types of each column.
4) Obtain a statistical summary of the dataframe.
5) Drop the columns "id" and "Unnamed: 0"
6) Check all the null values present in all the columns of the dataframe.
7) Replace the missing values of the column 'bedrooms' with the mean of the column.
8) Replace the missing values of the column 'bathrooms' with the mean of the column.
9) Count the number of houses with unique floor values.
10) Using boxplot determine whether houses with a waterfront view or without a waterfront view have more price outliers. (Mention your answer as comment in the next cell)
11) Use the function regplot in the seaborn library to determine if the feature sqft_above is negatively or positively correlated with price. (Mention your answer as comment in the next cell).
12) Find the feature other than price that is most correlated with price. (Mention your answer as comment in the next cell).