```
1  C:\Users\DeePra\Documents\Python3117\python.exe C:\Users\DeePra\Documents\WPy64-31160\notebooks\Assignment_22\Home_Sale.py
2  Setting default log level to "WARN".
3  To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
4  +--------------------+----------+----------+------+--------+---------+-----------+--------+------+----------+----+
5  |                  id|      date|date_built| price|bedrooms|bathrooms|sqft_living|sqft_lot|floors|waterfront|view|
6  +--------------------+----------+----------+------+--------+---------+-----------+--------+------+----------+----+
7  |f8a53099-ba1c-47d...|2022-04-08|      2016|936923|       4|        3|       3167|   11733|     2|         1|  76|
8  |7530a2d8-1ae3-451...|2021-06-13|      2013|379628|       2|        2|       2235|   14384|     1|         0|  23|
9  |43de979c-0bf0-4c9...|2019-04-12|      2014|417866|       2|        2|       2127|   10575|     2|         0|   0|
10 |b672c137-b88c-48b...|2019-10-16|      2016|239895|       2|        2|       1631|   11149|     2|         0|   0|
11 |e0726d4d-d595-407...|2022-01-08|      2017|424418|       3|        2|       2249|   13878|     2|         0|   4|
12 |5aa00529-0533-46b...|2019-01-30|      2017|218712|       2|        3|       1965|   14375|     2|         0|   7|
13 |131492a1-72e2-4a8...|2020-02-08|      2017|419199|       2|        3|       2062|    8876|     2|         0|   6|
14 |8d54a71b-c520-44e...|2019-07-21|      2010|323956|       2|        3|       1506|   11816|     1|         0|  25|
15 |e81aacfe-17fe-46b...|2020-06-16|      2016|181925|       3|        3|       2137|   11709|     2|         0|  22|
16 |2ed8d509-7372-46d...|2021-08-06|      2015|258710|       3|        3|       1918|    9666|     1|         0|  25|
17 |f876d86f-3c9f-42b...|2019-02-27|      2011|167864|       3|        3|       2471|   13924|     2|         0|  15|
18 |0a2bd445-8508-4d8...|2021-12-30|      2014|337527|       2|        3|       1926|   12556|     1|         0|  23|
19 |941bad30-eb49-4a7...|2020-05-09|      2015|229896|       3|        3|       2197|    8641|     1|         0|   3|
20 |dd61eb34-6589-4c0...|2021-07-25|      2016|210247|       3|        2|       1672|   11986|     2|         0|  28|
21 |f1e4cef7-d151-439...|2019-02-01|      2011|398667|       2|        3|       2331|   11356|     1|         0|   7|
22 |ea620c7b-c2f7-4c6...|2021-05-31|      2011|437958|       3|        3|       2356|   11052|     1|         0|  26|
23 |f233cb41-6f33-4b0...|2021-07-18|      2016|437375|       4|        3|       1704|   11721|     2|         0|  34|
24 |c797ca12-52cd-4b1...|2019-06-08|      2015|288650|       2|        3|       2100|   10419|     2|         0|   7|
25 |0cfe57f3-28c2-472...|2019-10-04|      2015|308313|       3|        3|       1960|    9453|     2|         0|   2|
26 |4566cd2a-ac6e-435...|2019-07-15|      2016|177541|       3|        3|       2130|   10517|     2|         0|  25|
27 +--------------------+----------+----------+------+--------+---------+-----------+--------+------+----------+----+
28 only showing top 20 rows
29
30 +----+-------------+
31 |YEAR|AVERAGE_PRICE|
32 +----+-------------+
33 |2022|    296363.88|
34 |2021|    301819.44|
35 |2020|    298353.78|
36 |2019|     300263.7|
37 +----+-------------+
38
39 +----+-------------+
40 |YEAR|AVERAGE_PRICE|
```

```
41 +-------------+
42 |2017| 292676.79|
43 |2016| 290555.07|
44 |2015|  288770.3|
45 |2014| 290852.27|
46 |2013| 295962.27|
47 |2012| 293683.19|
48 |2011| 291117.47|
49 |2010| 292859.62|
50 +-------------+
51
52 +----------+-------------+
53 |YEAR_BUILT|AVERAGE_PRICE|
54 +----------+-------------+
55 |      2017|   280317.58|
56 |      2016|    293965.1|
57 |      2015|   297609.97|
58 |      2014|   298264.72|
59 |      2013|   303676.79|
60 |      2012|   307539.97|
61 |      2011|   276553.81|
62 |      2010|   285010.22|
63 +----------+-------------+
64
65 +----+-------------+
66 |view|AVERAGE_PRICE|
67 +----+-------------+
68 |  99|  1061201.42|
69 |  98|  1053739.33|
70 |  97|  1129040.15|
71 |  96|  1017815.92|
72 |  95|   1054325.6|
73 |  94|   1033536.2|
74 |  93|  1026006.06|
75 |  92|   970402.55|
76 |  91|  1137372.73|
77 |  90|  1062654.16|
78 |  89|  1107839.15|
79 |  88|  1031719.35|
80 |  87|   1072285.2|
```

```
81 |  86|   1070444.25|
82 |  85|   1056336.74|
83 |  84|   1117233.13|
84 |  83|   1033965.93|
85 |  82|    1063498.0|
86 |  81|   1053472.79|
87 |  80|    991767.38|
88 +---+------------+
89 only showing top 20 rows
90
91 --- 0.45321607589972168 seconds ---
92 +---+------------+
93 |view|AVERAGE_PRICE|
94 +---+------------+
95 |  99|   1061201.42|
96 |  98|   1053739.33|
97 |  97|   1129040.15|
98 |  96|   1017815.92|
99 |  95|    1054325.6|
100 |  94|    1033536.2|
101 |  93|   1026006.06|
102 |  92|    970402.55|
103 |  91|   1137372.73|
104 |  90|   1062654.16|
105 |  89|   1107839.15|
106 |  88|   1031719.35|
107 |  87|    1072285.2|
108 |  86|   1070444.25|
109 |  85|   1056336.74|
110 |  84|   1117233.13|
111 |  83|   1033965.93|
112 |  82|    1063498.0|
113 |  81|   1053472.79|
114 |  80|    991767.38|
115 +---+------------+
116 only showing top 20 rows
117
118 --- 0.22369242171447754 seconds ---
119 24/01/07 00:41:18 WARN GarbageCollectionMetrics: To enable non-built-in garbage collector(s) List(G1 Concurrent GC), users
   should configure it(them) to spark.eventLog.gcMetrics.youngGenerationGarbageCollectors or spark.eventLog.gcMetrics.
```

```
119  oldGenerationGarbageCollectors
120  +----+--------------+
121  |view|AVERAGE_PRICE|
122  +----+--------------+
123  |  99|   1061201.42|
124  |  98|   1053739.33|
125  |  97|   1129040.15|
126  |  96|   1017815.92|
127  |  95|    1054325.6|
128  |  94|    1033536.2|
129  |  93|   1026006.06|
130  |  92|    970402.55|
131  |  91|   1137372.73|
132  |  90|   1062654.16|
133  |  89|   1107839.15|
134  |  88|   1031719.35|
135  |  87|    1072285.2|
136  |  86|   1070444.25|
137  |  85|   1056336.74|
138  |  84|   1117233.13|
139  |  83|   1033965.93|
140  |  82|    1063498.0|
141  |  81|   1053472.79|
142  |  80|    991767.38|
143  +----+--------------+
144  only showing top 20 rows
145
146  --- 0.5591497421264648 seconds ---
147  all clear
148
149  Process finished with exit code 0
150
```