```
File - main
 \verb|D:\Python3.7| python.exe E:/PROJECT/PROJECT_PYTHON/Mini-ML-Air-BnB/com/frogobox/main.py| \\
 Name : Muhammad Faisal Amir
NIM : 1301198497
 Class : IFX-43-GAB
Major : S1 Informatika 2019
University : Telkom University
 Dataset : AIR BNB
 Date : 2020-04-09
  -- Column already specified --
```

['price', 'minimum_nights', 'number_of_reviews', 'availability_365']							
Result Clustering : result/2020-04-09-airbnb-clustering-kmeans.csv							
	price	minimum_nights	number_of_reviews	availability_365	class		
0	90	62	143	220	class_1		
1	26	5	25	297	class_1		
2	180	6	6	137	class_1		
3	120	30	0	365	class_1		
4	90	60	48	159	class_1		
	• • •	• • •	• • •	• • •	• • •		
22547	100	28	0	90	class_2		
22548	20	1	0	78	class_2		
22549	85	3	0	15	class_2		
22550	99	1	0	6	class_2		
22551	45	5	0	21	class_2		

[22552 rows x 5 columns]

Result Classification · result/2020-04-09-airbnb-classificaction-knn cs

Result Classification : result/2020-04-09-airbnb-classificaction-knn.csv						
	price	minimum_nights	number_of_reviews	availability_365	class	
0	69	1	0	81	class_2	
1	120	5	24	20	class_2	
2	60	5	41	35	class_2	
3	18	30	0	307	class_1	
4	30	1	1	0	class_2	
6761	30	1	0	0	class_2	
6762	45	7	4	0	class_2	
6763	49	2	12	34	class_2	
6764	110	90	123	329	class_1	
6765	100	1	4	0	class_2	

[6766 rows x 5 columns]

[[1513 7]

[29 5217]]

Result Classification Report :

Result Clussification Report						
	precision	recall	f1-score	support		
class_1	0.98	1.00	0.99	1520		
class_2	1.00	0.99	1.00	5246		
accuracy			0.99	6766		
macro avg	0.99	0.99	0.99	6766		
weighted avg	0.99	0.99	0.99	6766		

-- Column random --

['longitude', 'price', 'minimum_nights', 'availability_365']

Result Clustering : result/2020-04-09-airbnb-clustering-kmeans-random.csv

	longitude	price	minimum nights	availability 365	class
0	13.417579	90.0	62.0	220.0	class_1
1	13.349065	26.0	5.0	297.0	class_1
2	13.416047	180.0	6.0	137.0	class_1
3	13.457850	120.0	30.0	365.0	class_1
4	13.435102	90.0	60.0	159.0	class_1
22547	13.354795	100.0	28.0	90.0	class_2
22548	13.341738	20.0	1.0	78.0	class_2
22549	13.411999	85.0	3.0	15.0	class_2
22550	13.378688	99.0	1.0	6.0	class_2

File - main

22551 13.424447 45.0 5.0 21.0 class_2

[22552 rows x 5 columns]

Result Classification : result/2020-04-09-airbnb-classificaction-knn-random.csv

[6766 rows x 5 columns]

Result Confusion Matrix : [[1445 8] [46 5267]]

Result Classification Report :

	precision	recall	f1-score	support	
class_1 class 2	0.97 1.00	0.99 0.99	0.98 0.99	1453 5313	
accuracy	1.00	0.33	0.99	6766	
macro avg	0.98	0.99	0.99	6766	
weighted avg	0.99	0.99	0.99	6766	

Process finished with exit code 0