Lokesh coding challenge 1

Question 1: -

**Affordable and Expensive Cities**

* Amsterdam ranks as the most expensive place with an average weekday price of 573.11 dollars, and its average price on weekends is around 608.83 dollars. Following Amsterdam, Paris takes the second spot for being the most expensive place.
* Athens is the most affordable place with a weekday average price of 151.74 dollars, and on weekends, the average price drops even further to 147.58 dollars. The second most affordable place is Budapest.

Question 2: -

**Comparison between Weekdays and Weekend**

* There is not much difference between the weekdays and weekends.
* Apart from Paris and Athens, other places experience high prices on the weekends.

Question 3: -

**Important determinants of Airbnb prices**

* Overall, the guest satisfaction and cleanliness ratings are good for all the places.
* Despite Athens being an affordable option, it still maintains high levels of guest satisfaction and cleanliness ratings compared to other places. Athens has a median guest satisfaction rating of 97 out of 100 and an median cleaning rating 10.
* Although Paris is one of the most expensive places, it has the lowest guest satisfaction and cleanliness ratings compared to other places. Paris has an median guest satisfaction rating of 94 out of 100 and an median cleaning rating of 9 out of 10.
* Paris has the most conveniently located metro stations with an median distance of 0.22 kilometres, whereas Amsterdam has the farthest median distance of 0.8 kilometres.

Question 4: -

**Important drivers in booking occupancy**

* The most preferred room option among people is a one-bedroom room with two occupants. The second most preferred option is a one-bedroom room with three occupants.
* In most places, people prefer not to have a private or shared room, and second most preferred type of room is a private room with no sharing.
* London has the highest number of bookings with an average price of 362.47 dollars, while Amsterdam has the least number of bookings.