Rafael Melendez

A.)

Console output:
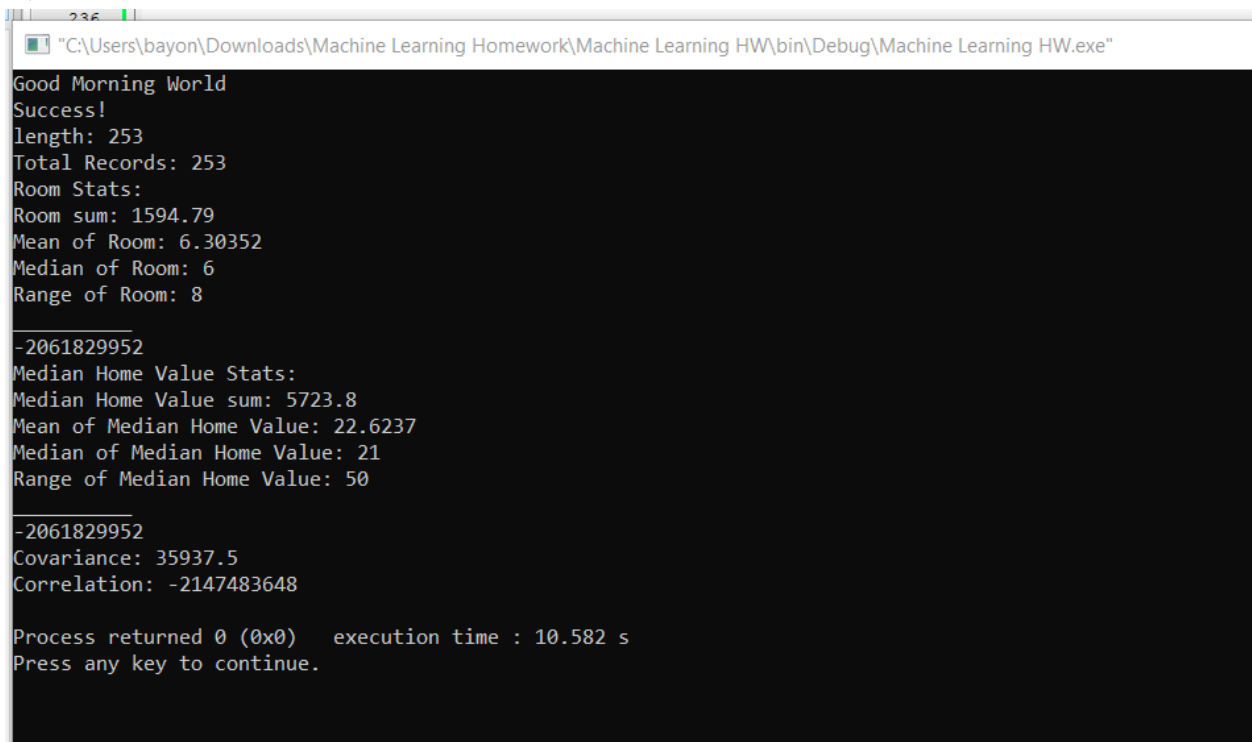```
"C:\Users\bayon\Downloads\Machine Learning Homework\Machine Learning HW\bin\Debug\Machine Learning HW.exe"
Good Morning World
Success!
length: 253
Total Records: 253
Room Stats:
Room sum: 1594.79
Mean of Room: 6.30352
Median of Room: 6
Range of Room: 8

-2061829952
Median Home Value Stats:
Median Home Value sum: 5723.8
Mean of Median Home Value: 22.6237
Median of Median Home Value: 21
Range of Median Home Value: 50

-2061829952
Covariance: 35937.5
Correlation: -2147483648

Process returned 0 (0x0)   execution time : 10.582 s
Press any key to continue.
```

B.) The built-in functions in R were far more intuitive than creating the functions from scratch in C++

C.) Mean, median and range values are all quantitative measures that provide us with the statistics for which to base potential findings on. This can apply to data exploration in ML because we need measurable data to draw larger conclusions

D.) Covariance and Correlation give us information regarding the actual relationships between quantitative entities or findings. This applies to machine learning as these relationships can indicate potential patterns between the entities.