# ASSIGNMENT 7.2

## 5.PROBLEM STATEMENT

### 1. a. Visualise the correlation between all variables in a meaningful and clear way of representing. Find out top 3 reasons for having more crime in a city.

Ans:- **library** corrplot(res, type = "upper", order = "hclust" tl.col = ”black", tl.srt = 45)

### b. What is the difference between co-variance and correlation? Take an example from this database and show the differences if any?

Ans:- A measure used to represent how strongly two random variables are related known as **correlation**. **Covariance** is nothing but a measure of **correlation**. On the contrary,**correlation** refers to the scaled form of **covariance**..**Correlation** is dimensionless, i.e. it is a unit-free measure of the relationship **between** variables.