Assignment 1

1. Created a Database named DB by assigning objects containing Name, Age, Roll, Sex, Mobile No. as Variables for each student and also converted Sex to factors by as.factor(object) and setting stringAsFactor to False in the data.frame(objects )so that the Name is not taken as factor but Sex is.
2. complete.cases(object) is a function that Return a logical vector indicating which cases are complete, i.e., have no missing values. Hence subsetting it inside the row of the object wil return those rows which does not have missing values or Complete part of the database.
3. !complete.cases(object) is a function that Return a logical vector indicating which cases are not complete, i.e., have missing values. Hence indexing it inside the row of the dataframe will return those rows which does have missing values or InComplete part of the database.
4. Na.omit(object) na.omit returns the logical object with incomplete cases removed.
5. Created a Database Column District which is a factor and added it into the DB database.
6. Indexing all the unique district values to get the who are from that district that return logical values and calling sum(object) function to get the count for each unique district values e.g. Kolkata, Howrah etc.
7. Same as (i) but using “&” or “and” to get the count of people who are male(female) and are from a unique district e.g. Kolkata, Howrah etc.