## Problem1\_1

# Scenario 1:

**List** will be used because we will choose the employees randomly and there is no any other constraint defined so as the list is simple data structure so the list will be used.

# Scenario 2:

**Set** will be used because we don’t want repetition in names of the employee and as the set has restriction of not repeating element so it is most suitable.

# Scenario 3:

**Map or Hash table** will be used because it can save the multiple values against each key and as given condition binds us to getting count of the number of employees having same names so we can get count easily using hash tables.