**Documentation of Coding Task – Aeroplane Seating Arrangement**

**Main Method() –**

* Accepts Input of both Strings from user.
* Converting String into Integer array.
* Creating Arraylist for Priorities
  + Firstpriorarr list consists prime number constraint
  + Secondprior list consists 2 power n list constraint.
  + Thirdprior list consists of total priority list based on given constraint.

**Primeprior Function(primeprior())-**

* Creates a new list for Storing and returning result.
* Used for the logic to find prime numbers in given passenger id’s.
* All prime number id’s will be stored in the resprime list.

**Twopower Function-**

* In this function, the passenger id array and Firstprior list will be passed as arguments.
* Logic for finding the id’s which will be 2 power n multiples.
* Then adding the numbers with Firstprior list, so that the priority order (Prime number 1st priority and 2 power n multiple 2nd priority) will be maintained easily.
* The Computation result will be stored in Secondprior list.

**Regular Function-**

* In this function, the passenger id array as well as Secondprior list are passed as arguments.
* Here, both prime number id’s and 2 power n multiple id’s are neglected and other idle id’s are added with Secondprior list.
* Now the result will be the List of priority order of id’s what we needed. By printing this list we will get the Priority wise list.