AIRPLANE SEATING ARRANGEMENT-PYTHON

/\*Input-2D Array & array of passenger id\*/

/\*Condition:

1)Aisle seats filled first, then window seat then middle seat

2)First priority -Passenger id which is prime number

3)Second priority -Passenger id which is multiple of 2 power n\*/

seats= [[3,2], [4,3], [2,3], [3,4]]

seats=seat ()

length=len(seat)

def construct(seat):

for i in range seat:

/\*append the rows and columns from the 2D array and make them a matrix\*/

row=i[1]

col=i[0]

def Aisleseat():

/\*To check if the seat is filled or not

if filled increment the value of filled seats and check for the condition of prime number\*/

for i in range(2,num/2)

if(num%i)==0:

break

else:

/\*The number is prime number and it is filled in aisle seat\*/

/\*if the number is not prime then check if it is multiple of 2^n \*/

if(num%2)==0:

/\* Then the number is filled in aisle seat\*/

def windowseat():

/\*After filling the aisle seat,

check for the same condition in the first row and fill the number in window seat\*/

def Middleseat():

/\*After filling the window seat the fill the middle seat with the same condition and then move to the next row\*/

def Printseat():

/\*Print the seats\*/

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