class Ticket: counter=0

def init (self,passenger\_name,source,destination):

self. passenger\_name=passenger\_name self. source=source

self. destination=destination self.Counter=Ticket.counter Ticket.counter+=1

def validate\_source\_destination(self):

if (self. source=="Delhi" and (self. destination=="Hyderabad" or self. destination=="Vijayawada" or self. destination=="Chennai" or self. destination=="Kolkata")):

return True else:

return False

def generate\_ticket(self ): if True:

ticket\_id=self. source[0]+self. destination[0]+"0"+str(self.Counter) print( "Ticket id will be:", ticket\_id)

else:

return False

def get\_ticket\_id(self): return self.ticket\_id

def get\_passenger\_name(self): return self. passenger\_name

def get\_source(self):

if self. source=="Delhi": return self. source

else:

print("you have written invalid soure option") return None

def get\_destination(self):

if self. destination=="Hyderabad": return self. destination

elif self. destination=="Vijayawada": return self. destination

elif self. destination=="Chennai": return self. destination

elif self. destination=="Kolkata": return self. destination

else:

return None