

TEAM ID	PNT2022TMID32810
PROJECT NAME	SMART SOLUTIONS FOR RAILWAYS

# -\*- coding: utf-8 -\*-

""""TICKET\_GENERATION.ipynb

Automatically generated by Colaboratory.

Original file is located at

<https://colab.research.google.com/drive/16dxXtSd80GZOW1jk0ILMQinBoFYLNb7W>

""""

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=="Pune" or self.\_destination=="Mumbai" 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=="Pune":

        return self._destination

    elif self._destination=="Mumbai":

        return self._destination

    elif self._destination=="Chennai":

        return self._destination

    elif self._destination=="Kolkata":

        return self._destination

    else:

        return None
```