**Ticket generation .py**

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| --- |
| class Ticket: |
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| --- |
| counter=0 |
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| --- |
| def \_\_init\_\_(self,passenger\_name,source,destination): |
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| --- |
| self.\_\_passenger\_name=passenger\_name |
|  |

|  |
| --- |
| self.\_\_source=source |
|  |

|  |
| --- |
| self.\_\_destination=destination |
|  |

|  |
| --- |
| self.Counter=Ticket.counter |
|  |

|  |
| --- |
| Ticket.counter+=1 |
|  |

|  |
| --- |
| def validate\_source\_destination(self): |
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|  |
| --- |
| if (self.\_\_source=="Delhi" and (self.\_\_destination=="Pune" or self.\_\_destination=="Mumbai" or self.\_\_destination=="Chennai" or self.\_\_destination=="Kolkata")): |
|  |

|  |
| --- |
| return True |
|  |

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| --- |
| else: |
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|  |
| --- |
| return False |
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| --- |
| def generate\_ticket(self ): |
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| --- |
| if True: |
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| --- |
| \_\_ticket\_id=self.\_\_source[0]+self.\_\_destination[0]+"0"+str(self.Counter) |
|  |

|  |
| --- |
| print( "Ticket id will be:",\_\_ticket\_id) |
|  |

|  |
| --- |
| else: |
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|  |
| --- |
| return False |
|  |

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| --- |
| def get\_ticket\_id(self): |
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|  |
| --- |
| 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): |
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|  |
| --- |
| if self.\_\_destination=="Pune": |
|  |

|  |
| --- |
| return self.\_\_destination |
|  |

|  |
| --- |
| elif self.\_\_destination=="Mumbai": |
|  |

|  |
| --- |
| return self.\_\_destination |
|  |

|  |
| --- |
| elif self.\_\_destination=="Chennai": |
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|  |
| --- |
| return self.\_\_destination |
|  |

|  |
| --- |
| elif self.\_\_destination=="Kolkata": |
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|  |
| --- |
| return self.\_\_destination |
|  |

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| --- |
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|  |

|  |
| --- |
| else: |
|  |

return None