

# Ticket generation:

```
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=="kerala" or self.__destination=="jaipur" 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  
    elif self.__destination=="kerala":  
        return self.__destination  
    elif self.__destination=="jaipur":  
        return self.__destination  
  
else:  
    return None
```