

:

Oracle

Borland Paradox

( Paradox )

Oracle 9i

Database Desktop

: DataBase Desktop

:

:

		<b>GoFrom</b>
		ArriveTo
		GoTime
		ArriveTime
		CardCount

<b>( Passengers )</b>		
	*	Pno
		Pname
		Nationality
		PassNo

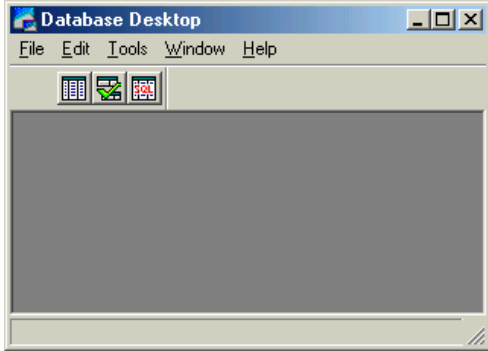
<b>TripsAndPassengers</b>		
		Pno
		TripNo
		SeatNo
		ClassNo

<b>( Trips )</b>		
	*	TripNo
		Company

( \* )

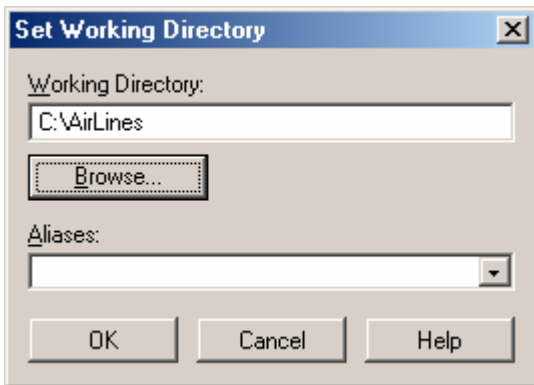
. 200 1

C AirLines 1  
: Database Desktop 2

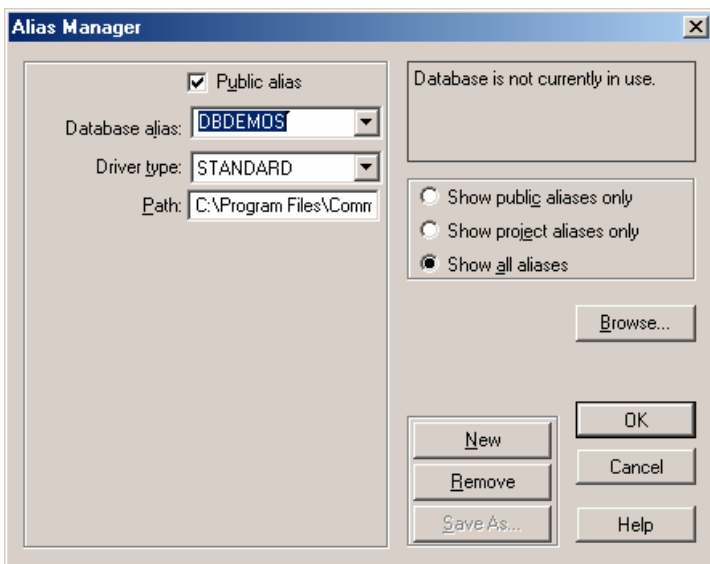


Start → Programs → Borland Delphi → Database Desktop  
Tools → Database Desktop

: 2



C:\ Browse File → Working Directory  
AirLines ok



: Alias 3  
Alias Manger C:\AirLines  
Database Desktop Tools  
Database New Alias  
( Travel )  
) STANDARD Driver Type

Standard

.(

( Browse ) Path C:\AirLiens  
 Ok Keep New  
 Yes IDAPI32.CFG

C:\AirLiens Table DatabaseName

D:\1998 1998

Alias Public Alias Alias Manger  
 Alias Database Desktop  
 Remove

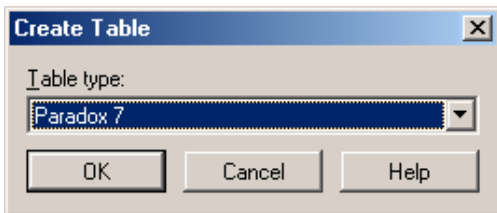
1

2

3

4

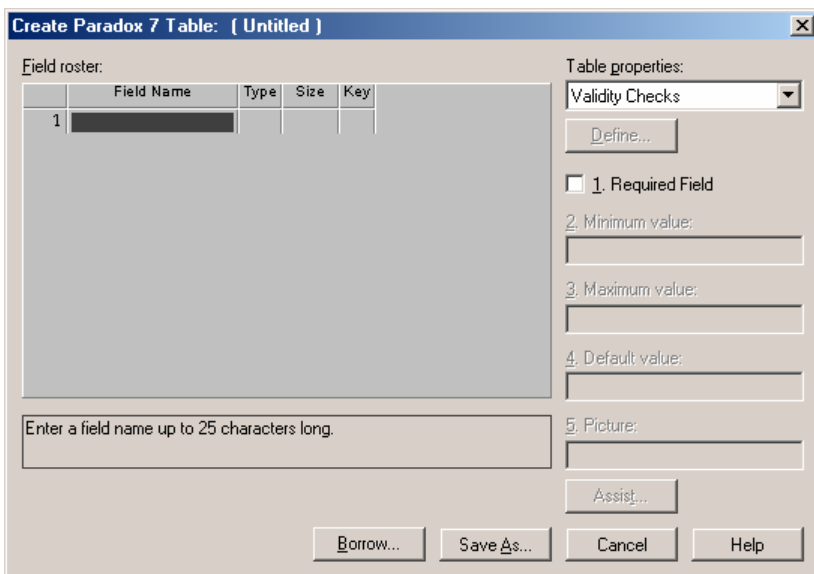
5



File → New → Table

) Database Desktop

Paradox7 (



Database

Desktop

: Field roster

: Field Name

1

SQL

... Date From SELECT SQL  
: Type 2

Space

Type

: Paradox

Type

	A	255 - 1	Alpha
	N		Number
	\$		Money
Integer	S		Short
Longint	I		Long Integer
)	#	0 .. 32	BCD
( <sup>(1)</sup>			
	D		Date
	T		Time
	@		TimeStamp
( <sup>(2)</sup> .	M	1..240	Memo
)	F	0.. 240	Formatted Memo
( <sup>(2)</sup> (..			
( <sup>(3)</sup>	G	0..240	Graphic
( <sup>(3)</sup> ( Excel )	O	0..240	OLE
False True	L		Logical
	+		Auto increment
( <sup>(3)</sup> .Mb	B	0..240	Binary
Db	Y	1..255	Byte

: ( 1 )

255

Memo

: ( 2 )

MB

30

30

).Db

30

.Mb

( 3 )

Size

3

20

A

Alpha

" "

: Key ( )

4

:

)

( ..

Null " "

:

Auto

. Increment

:

.Null " "

:



File → Open → Table

Passengers.db

:

Table → Restructure

Table properties

: **Validity Checks** 1

:

: Required Field 1

: Minimum 2

: Maximum 3

: Default Value 4

MaskEdit

: Picture 5

Assist

:

Trips

350 0

Table → Restructure

File → Open → table

Trips

Required

Company

Table Properties

Validity Checks

.Field

. 350

Maximum

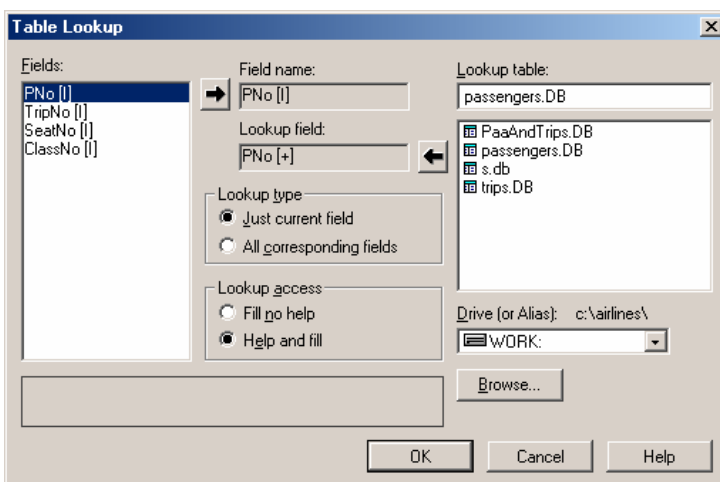
0

Minimum

CardNo

Save

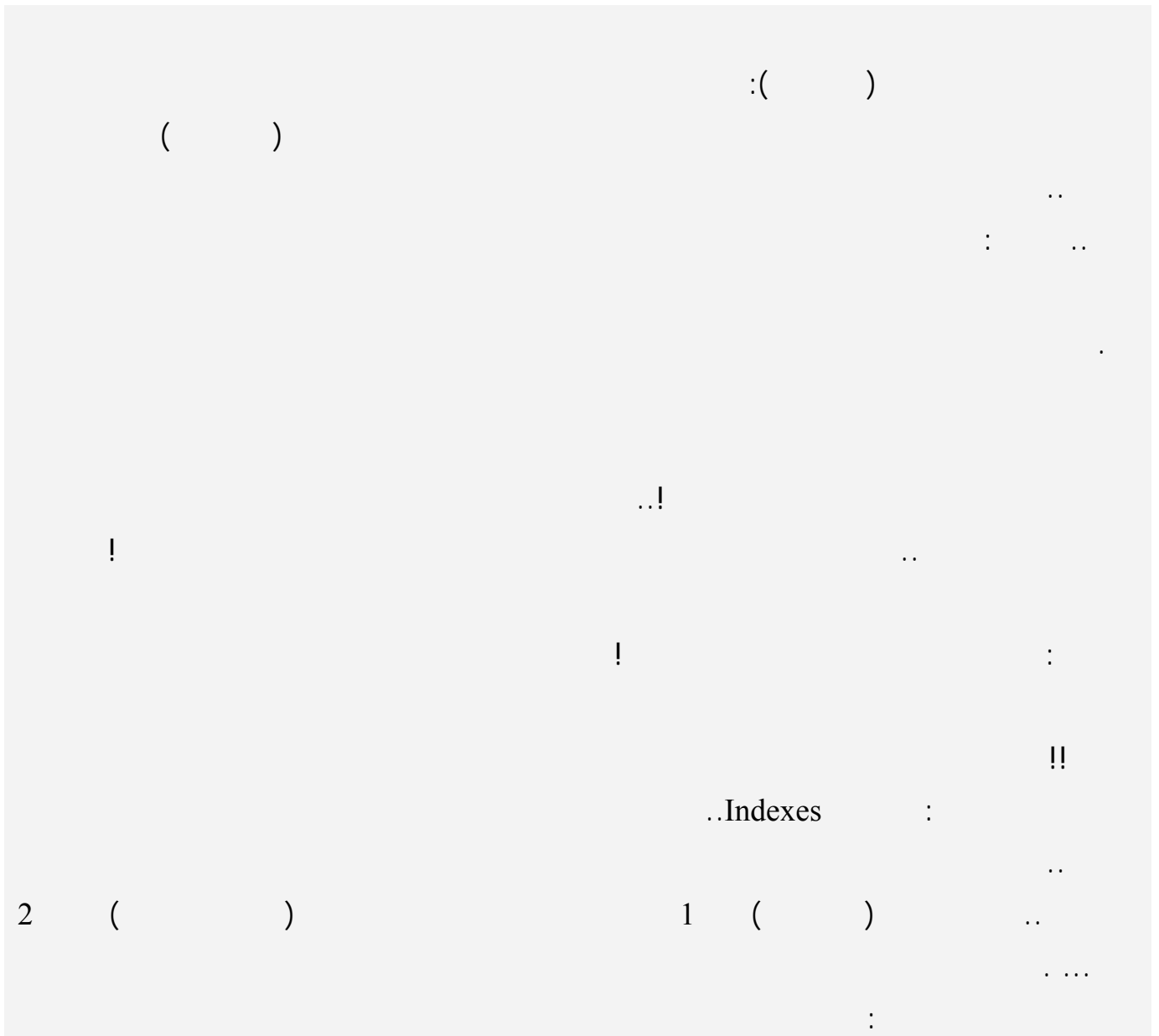
: **Table Lookup** 2



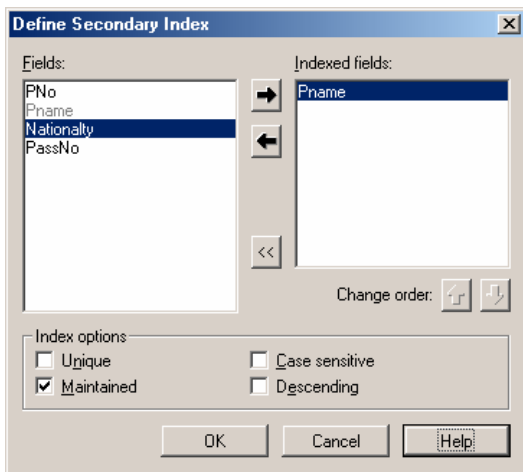
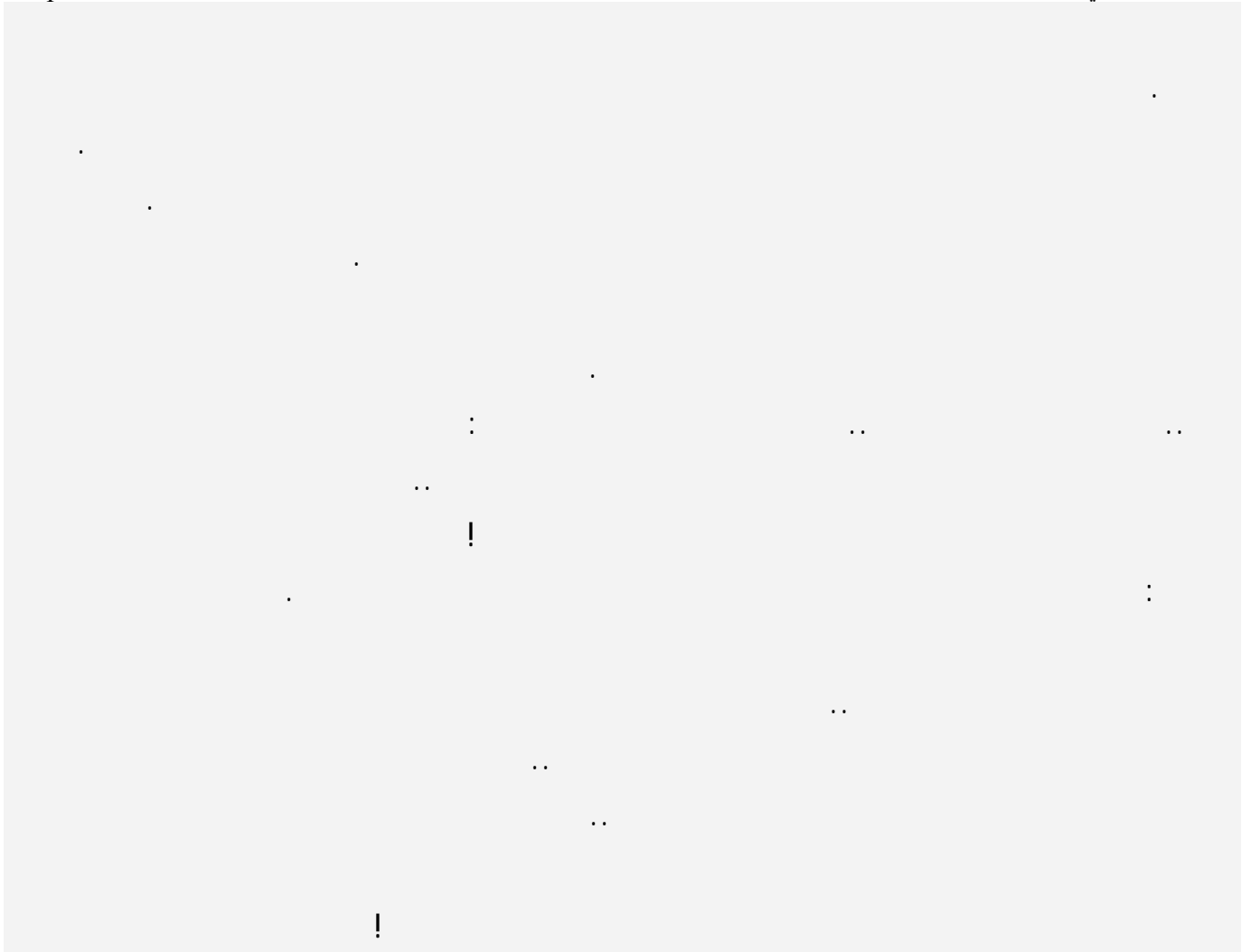
```

:
Table → Restructure PassAndTrips
Define Table Properties Table LookUp PNo
:
. Ok Passengers.db Lookup Table
. Trips TripNo
..
:Secondary index 3
)
. (

```







→

Table → Restructure

Secondary Index      Table Properties  
 :      Define  
                                  PName  
 Fields  
 Indexed Fields  
 : Index Option  
                                  : Unique      1  
 )  
 . (      : Maintained      2  
                                  : Case Sensitive      3  
                                  : Descending      4

. PNameIndex

Ok

:

. ( )

1

2

3

### : Referential Integrity

)

(

" " " " " "

:

Referential

Table → Restructure

PassAndTrips

: Define

Table Properties

Integrity

:

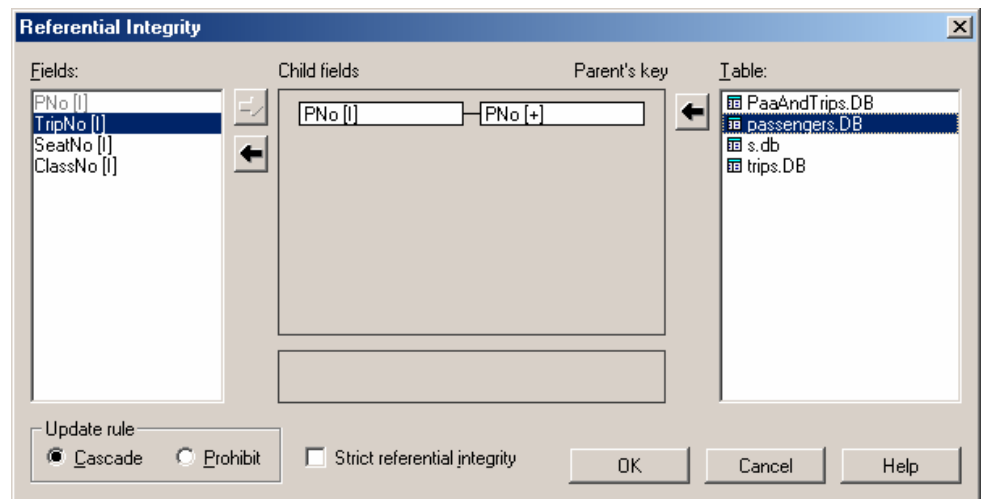
Table

→

PNo

←

Update Rule



: Cascade

1

)

" "

: Prohibit 2

. ( )

: Strict Referential Integrity 3

.Dos

Ok

...

:

Paradox

Prohibit 1

SQL

Cascade

2

"

"

:

5

Table

Table Security

Table → Restructure

1

Define

properties

:

Master Password

.Ok

Verify Master Password

. ( )

Auxiliary Password

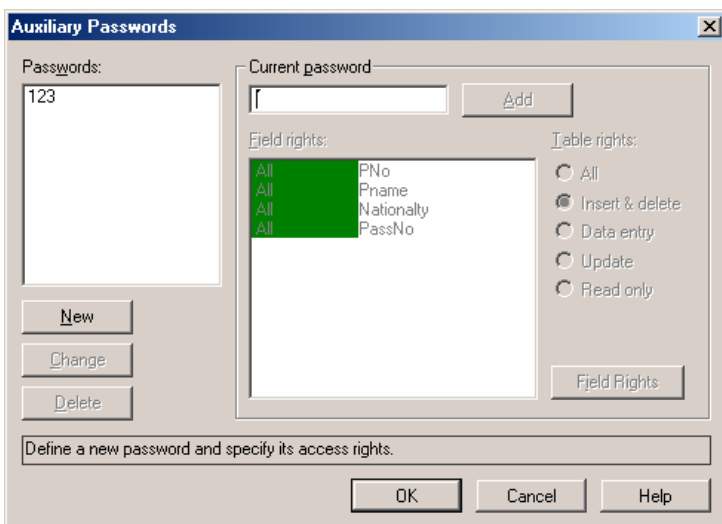
Current Password

Add

Table rights

Read Only

....



1

. Delete

Modify

:

Paradox

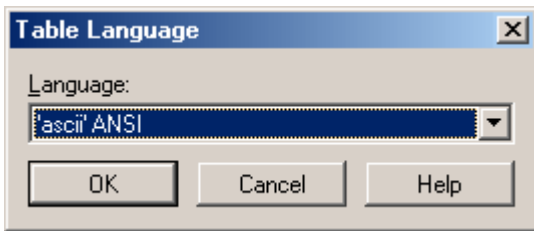
Oracle MySQL

. MS SQL Server

: **Table Language**

6

Table Language



. 'Ascii' ANSI

: Dependent Table

7

:

Dependent Table

( Passengers )

. ( PassAndTrips )

Table properties

:

Paradox

1

Dbase

....

Paradox

2

3

4

:

Database Desktop

Database Desktop

Change Edit → Preferences

Arabic Transparent

Edit

)

F9

Table

(

Table : passengers.DB				
passengers	PNo	Pname	Nationality	PassNo
1	1	أحمد	سورية	1234455
2	2	فؤاد	السعودية	9875234
3	3	زينبا	مصر	456454

Tab

1

Table : trips.DB							
	TripNo	Company	GoFrom	ArriveTo	GoTime	ArriveTime	CardCount
1	1	السورية للطيران	دمشق	القاهرة	12:32:46 ٠٢/٠٩/٢٠	03:32:50 ٠٢/٠٩/٢٠	50
2	2	الخطوط الإيطالية	أثينا	حلب	12:33:40 ٠٢/٠٩/٢٠	12:33:43 ٠٢/٠٩/٢٠	40
3	3	طيران الإمارات	دبي	لندن	12:34:23 ٠٢/٠٩/٢٠	12:34:24 ٠٢/٠٩/٢٠	30

CardCount 400

(

)

TimeStamp

PNo

Table : PaaAndTrips.DB				
PaaAndTrips	PNo	TripNo	SeatNo	ClassNo
1	1	1	33	33
2	2	1	66	66
3	3	2	2	32

Ctrl + Space

PNO

Passengers.db

PNo

Key Violation

. Record