

## Layout

* Pk	Adminid	INT	
Unq	SSN	VARCHAR(20)	
*	Firstname	VARCHAR(20)	
*	Lastname	VARCHAR(20)	
Unq	Phone	VARCHAR(30)	
Unq	Email	VARCHAR(40)	
k	Password	VARCHAR(40)	
Indexe	5		
Pk	pk_admin	Adminid	
Unq	unq_admin_ssn	SSN	
Unq	unq_admin_phone	Phone	
Unq	unq_admin_email	Email	
Table	AdminUpdateTrain		
	Trainid	INT	
	Adminid	INT	
*	Updatedate	DATE	
Foreig	ı Keys		
	fk ( Trainid ) ref Train ( Trainid )		
	ik ( Italiliu ) lei Italii ( Italiliu )		
	fk ( Adminid ) ref Admin ( Adminid )		
Table	fk ( Adminid ) ref Admin ( Adminid )		
<u>Table</u>		INT	
Table	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip	INT INT	
	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid		
Table  * Foreign	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate	INT	
*	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate	INT	
*	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys	INT	
* Foreigi	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys	INT	
* Foreigi <u>Γable</u>	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )	INT	
* Foreigi <u>Table</u>	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip Tripid Adminid Updatedate n Keys fk ( Adminid ) ref Admin ( Adminid )	INT DATE	
* Foreigi <u>Table</u>	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid	INT DATE INT	
* Foreigi <u>Table</u>	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid	INT DATE  INT INT	
* Foreigi <u>Fable</u> * Pk	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid  Trainid	INT DATE  INT INT INT	
* Foreigi <u>Fable</u> * Pk	AdminUpdateTrip Tripid Adminid Updatedate  Keys fk (Adminid) ref Admin (Adminid)  Booking Bookingid customerid Trainid Tripid	INT DATE  INT INT INT INT INT	
* Foreign Table * Pk	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid  Trainid  Tripid  TotalNumberofseats  TotalPrice	INT DATE  INT INT INT INT INT INT	
* Foreign  Fable  Pk  Indexe	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid  Trainid  Tripid  TotalNumberofseats  TotalPrice	INT DATE  INT INT INT INT INT INT	
* Foreign Table * Pk  Indexe	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid  Trainid  Tripid  TotalNumberofseats  TotalPrice  s  pk_booking	INT DATE  INT INT INT INT INT INT INT INT INT IN	
* Foreign Table * Pk  Indexe	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip  Tripid  Adminid  Updatedate  n Keys  fk ( Adminid ) ref Admin ( Adminid )  Booking  Bookingid  customerid  Trainid  Tripid  TotalNumberofseats  TotalPrice  s  pk_booking	INT DATE  INT INT INT INT INT INT INT INT INT IN	
* Foreigi	fk ( Adminid ) ref Admin ( Adminid )  AdminUpdateTrip Tripid Adminid Updatedate  fk ( Adminid ) ref Admin ( Adminid )  Booking  Booking  Bookingid customerid Trainid Tripid TotalNumberofseats TotalPrice  pk_booking  Keys	INT DATE  INT INT INT INT INT INT INT INT INT IN	

Table	Boo	king_	C	lass
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Unq	Bookingid	INT
Unq	class	INT
*	Numberofseats	INT

Table	Booking_class	
Indexes		
Unq	pk_booking_class	Bookingid, class
Foreign		
	fk ( Bookingid ) ref Booking ( Bookingid )	
Constra	ints	
	cns_booking_class_class	class between 1 and 3
m 11		
* Pk	<u>Customer</u> Customerid	INT
	SSN	VARCHAR(20)
Unq *	Firstname	VARCHAR(20) VARCHAR(20)
*		
	Lastname	VARCHAR(20)
Unq	Phone	VARCHAR(30)
Unq *	Email	VARCHAR(40)
	Password	VARCHAR(40)
Indexes		Contamori I
Pk	pk_customer	Customerid
Unq	unq_customer_ssn	SSN
Unq	unq_customer_phone	Phone
Unq	unq_customer_email	Email
T-1.1.	T'alag	
Table 'Unq	Bookingid	INT
* Unq	Seatnumber	INT
Oliq	class	INT
*	Price	NUMERIC(6,2)
Indexes		NUMERIC(0,2)
Unq	pk_ticket	Seatnumber, Bookingid
Foreign		Seathumber, Bookinglu
roreign	fk ( Bookingid ) ref Booking ( Bookingid )	
Constra		
Constra	cns_ticket_class	class between 1 and 3
	Clis_ticket_class	class between 1 and 3
Table '	Train	
* Pk	Trainid	INT
	Adminid	INT
*	TrainName	VARCHAR(30)
*	brand	VARCHAR(70)
*	capcity	INT
*	Avaliablecapcity	INT
Indexes		
Pk	pk_train	Trainid
Foreign		
J	fk ( Adminid ) ref Admin ( Adminid )	
Table '	Trip	
* Pk	Tripid	INT
*	Source	VARCHAR(50)

<b>TO</b> 1	- 1		_		
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1 a	$\omega_1$		_	11	$\mathbf{\nu}$

*	Destination	VARCHAR(50)
*	Tripdate	DATE
*	Starttime	TIME
*	duration	INT
Indexes		
Pk	pk_trip	Tripid

Table Trip_price				
Unq	Tripid	INT		
Unq	class	INT		
*	Price	NUMERIC(6,2)		
Indexes				
Unq	pk_trip_price	class, Tripid		
Foreign Keys				
	fk ( Tripid ) ref Trip ( Tripid )			

## Constraints

cns\_trip\_price\_class class between 1 and 3