

# مدیریت پارکینگ

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آمیتیس فرجی

9913053

# لیست موجودیت ها

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- **نگهبان پارکینگ :** شماره پرسنلی ، نام ، نام خانوادگی ، اسم پارکینگ ، زمان شروع کار ، زمان پایان کار
- **پارکینک :** نام ، شماره منطقه ، ساعت باز شدن ، ساعت بسته شدن ، تعداد محل پارک ، تعرفه
- **مشتری :** شناسه کاربری ، پلاک خودرو ، تاریخ ، زمان ورود ، زمان خروج
- **جایگاه پارک :** شناسه محل ، شماره ، نام پارکینگ ، پلاک خودرو پارک شده در آن
- **فیش :** شناسه رسید ، مالک ، تاریخ ، ساعت ، مدت زمان پارک ، شماره محل پارک شده ، نام پارکینگ
- **هزینه :** نام پارکینگ ، مدت زمان پارک ، مبلغ

# گزارش نرمال سازی سطح 2 به 3 شدن

• فیش

شناسه رسید	مبلغ	نام پارکینگ	شماره محل پارک شده	مدت زمان پارک	ساعت	تاریخ	پلاک
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مبلغ از 2 موافه ی غیر کلید(نام پارکینگ (تعرفه )، مدت زمان ) بدست میاید

نرمال سازی سطح 3 :

• فیش :

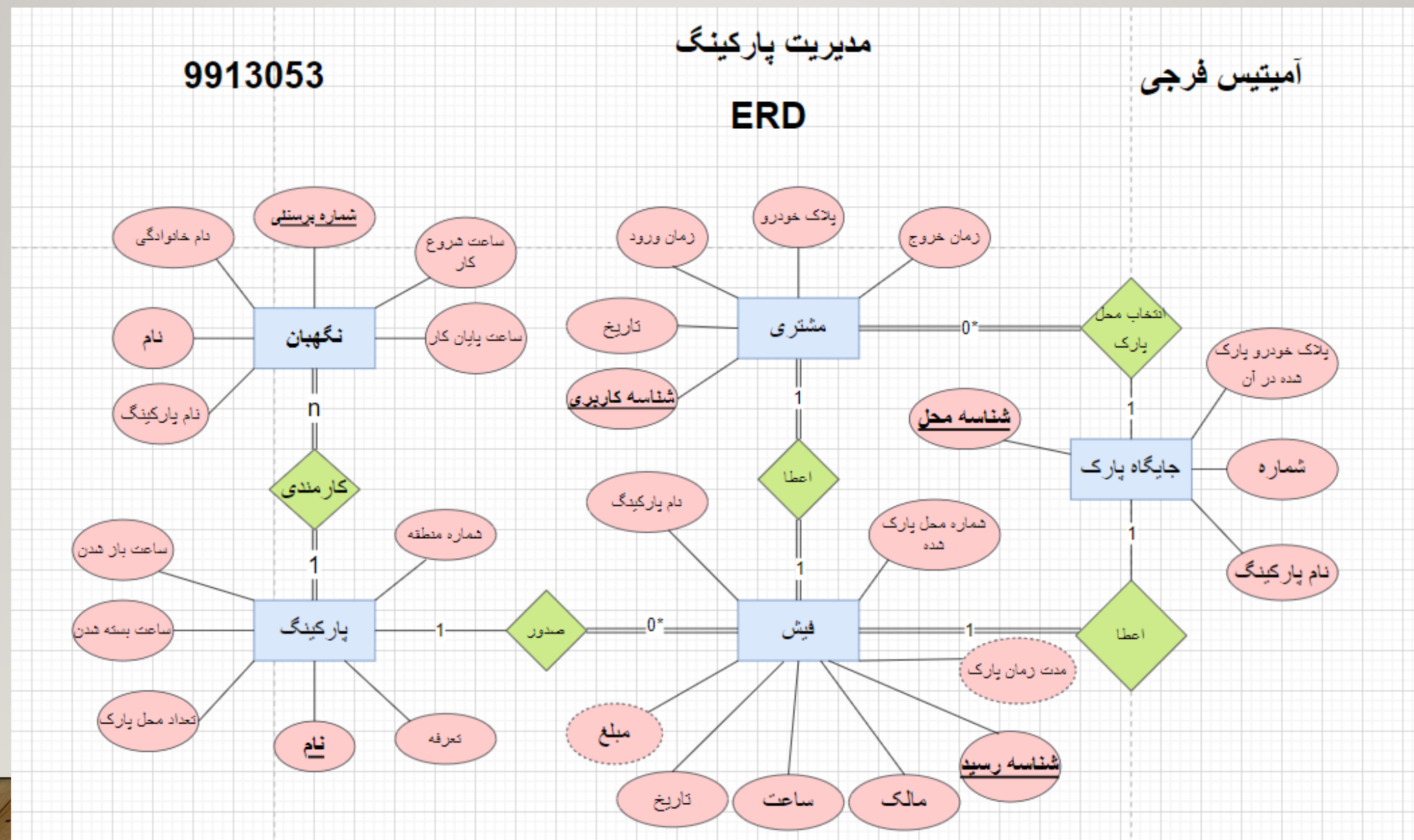
شناسه رسید	نام پارکینگ	شماره محل پارک شده	مدت زمان پارک	ساعت	تاریخ	مالک
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• هزینه :

مبلغ	نام پارکینگ	مدت زمان پارک
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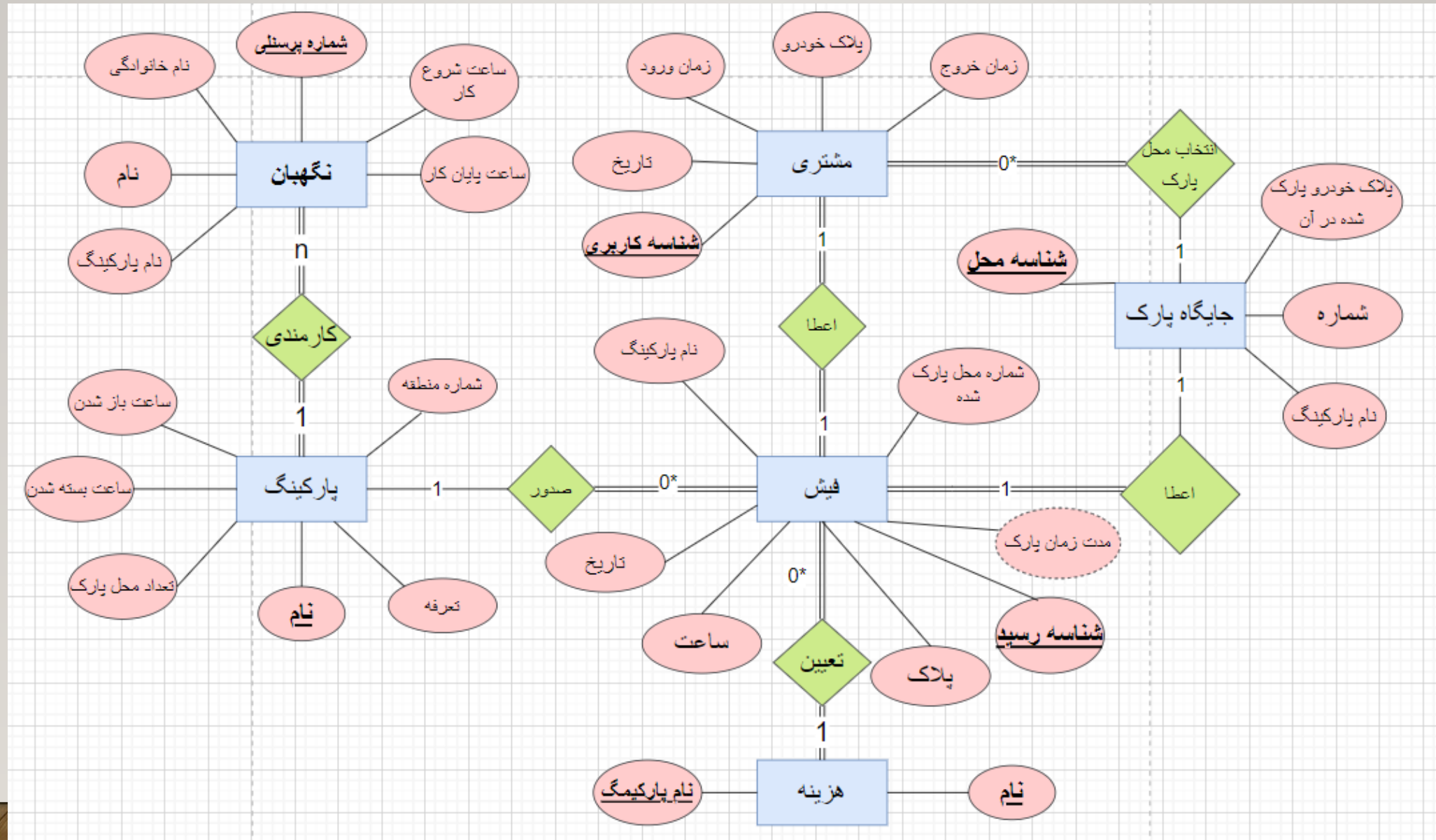
باقی جدول ها به صورت نرمال سطح 3 هستند.

# ERD LEVEL 2





# ERD LEVEL 3



## جدول نگهبان پارکینگ

	personnel_number ▼	parking_name ▼	first_name ▼	last_name ▼	start_time ▼	finishing_time ▼
1	20993937	flowers parking	Jake	Greenwood	07:00:00	13:30:00
2	20993939	flowers parking	Dennis	Turner	13:30:00	20:00:00
3	30233392	Blooming Parking	Charley	Marshall	08:00:00	13:00:00
4	30233394	Blooming Parking	Leon	Hudson	13:00:00	18:00:00
5	60197139	T.L. Lodge	Keith	Pearce	06:00:00	13:30:00
6	60197140	T.L. Lodge	Declan	Walker	13:30:00	21:00:00
7	70714118	Parkside Drop	Daniel	Sanders	07:00:00	11:00:00
8	70714120	Parkside Drop	Nora	Adam	11:00:00	15:00:00
9	70714122	Parkside Drop	Travis	Allen	15:00:00	19:00:00
10	70714124	Parkside Drop	Bryan	Smyth	19:00:00	23:00:00
11	80134044	Sparkling Parking	Jacob	Ellison	07:00:00	12:00:00
12	80134077	Sparkling Parking	Jim	Hunter	12:00:00	17:00:00

## جدول پارکینگ

	PName	area_number	opening_time	closing_time	number_of_park_lots	Tariffs
1	Blooming Parking	2	08:00:00	18:00:00	200	50
2	flowers parking	2	07:00:00	20:00:00	200	50
3	Parkside Drop	6	07:00:00	23:00:00	200	45
4	Sparkling Parking	4	07:00:00	17:00:00	200	60
5	T.L. Lodge	4	06:00:00	21:00:00	200	45

## بخشی از جدول مشتری

	License_Plate ▼	dateC ▼ ▼	arrival_time ▼	departure_time ▼	id_receipt ▼
1	EE5 Z8A	2023-01-24	11:02:15	15:34:24	180
2	HE8 M8E	2023-01-23	10:06:00	15:19:27	281
3	LQ4 X5X	2023-01-23	10:50:06	16:53:48	448
4	PX1 Y0F	2023-01-23	11:03:39	16:42:51	612
5	YB2 Q2T	2023-01-23	12:47:40	13:36:31	931
6	EN0 Q2V	2023-01-22	09:25:49	15:16:16	191
7	GI6 O8S	2023-01-22	12:39:14	16:57:14	256
8	XF2 U0N	2023-01-22	10:12:39	14:35:37	900
9	YJ9 T6R	2023-01-22	10:22:01	15:32:24	940
1...	ZV1 T4J	2023-01-22	08:59:49	14:36:02	994
1...	NL6 C2X	2023-01-21	08:00:17	13:44:27	515
1...	UD0 U3L	2023-01-21	09:06:01	14:01:32	767
1...	AU1 J2G	2023-01-20	09:15:35	14:33:18	34
1...	CJ6 S5Z	2023-01-20	10:56:58	16:12:14	100
1...	CS5 A2U	2023-01-20	12:50:37	15:29:10	123
1...	PK4 C8D	2023-01-20	09:41:49	15:52:08	584



# بخشی از جدول جایگاه پارک

	id	pNumber	license_plate	Parking_name
1	1	167	ZJ8 A7G	Blooming Parking
2	2	35	AF0 H70	flowers parking
3	3	181	GG5 T0V	Parkside Drop
4	4	110	DU8 G8R	Sparkling Parking
5	5	72	CQ5 Y1J	T.L. Lodge
6	6	176	HT8 S4G	Blooming Parking
7	7	191	ZG1 Y1K	flowers parking
8	8	14	RB0 E1V	Parkside Drop
9	9	91	JL9 B5I	Sparkling Parking
10	10	12	PN4 S6D	T.L. Lodge
11	11	95	AM2 V2X	Blooming Parking
12	12	68	ON1 G6Y	flowers parking
13	13	163	LF6 I1R	Parkside Drop
14	14	54	RR9 V0B	Sparkling Parking
15	15	59	VN0 S8P	T.L. Lodge
16	16	180	BR3 K1Q	Blooming Parking
17	17	23	XF2 U0N	flowers parking
18	18	151	XK8 U8P	Parkside Drop
19	19	39	BA1 T7R	Sparkling Parking
20	20	40	T08 B8W	T.L. Lodge
21	21	80	NC8 N4X	Blooming Parking

## بخشی از جدول فیش

	id_receipt ▼	CName ▼	dateC ▼	park_number ▼	Ctime ▼	Parking_duration ▼	PName ▼
1	1	AC6 Y7E	2022-07-17	80	08:15:06	327	Parkside Drop
2	2	AD7 X0B	2022-10-10	195	09:34:37	313	flowers parking
3	3	AE4 B7W	2022-11-26	51	09:51:39	295	Parkside Drop
4	4	AF0 H70	2022-06-09	35	10:55:27	253	flowers parking
5	5	AF2 J8E	2022-08-27	41	11:20:18	139	flowers parking
6	6	AF5 M6C	2022-04-16	105	10:51:19	346	Blooming Parking
7	7	AG1 G3Y	2023-01-16	172	08:42:12	381	Parkside Drop
8	8	AG7 V9T	2022-10-17	27	08:52:34	423	T.L. Lodge
9	9	AG8 C9V	2022-07-24	179	12:02:56	148	flowers parking
10	10	AH0 G4E	2022-01-28	107	12:21:15	137	T.L. Lodge
11	11	AH3 W2L	2022-12-07	20	12:58:23	216	Sparkling Parking
12	12	AH5 Q8L	2022-07-11	107	09:26:24	250	T.L. Lodge
13	13	AH6 V1S	2022-01-29	109	11:26:19	126	Parkside Drop
14	14	AH7 Q40	2022-06-16	22	11:15:21	171	Sparkling Parking
15	15	AI0 A6C	2022-02-18	125	08:39:35	298	T.L. Lodge
16	16	AI9 04F	2022-10-16	150	12:23:36	241	T.L. Lodge
17	17	AI9 07M	2022-06-06	44	08:40:31	366	Parkside Drop
18	18	AJ7 Z2K	2022-09-06	139	12:22:58	117	Blooming Parking
19	19	AK4 P3I	2022-05-28	176	09:32:14	274	Blooming Parking
20	20	AL5 Y5K	2022-06-10	138	10:47:43	243	Sparkling Parking

## بخشی از جدول هزینه

	Pname ▼	Park_duration ▼	Amount ▼
1	Parkside Drop	327	14715
2	flowers parking	313	15650
3	flowers parking	313	15650
4	Parkside Drop	295	13275
5	flowers parking	253	12650
6	flowers parking	253	12650
7	flowers parking	139	6950
8	Blooming Parking	346	17300
9	Blooming Parking	346	17300
10	Blooming Parking	346	17300
11	Parkside Drop	381	17145
12	T.L. Lodge	423	19035
13	flowers parking	148	7400
14	T.L. Lodge	137	6165
15	Sparkling Parking	216	12960
16	T.L. Lodge	250	11250
17	T.L. Lodge	250	11250
18	Parkside Drop	126	5670
19	Sparkling Parking	171	10260
20	Sparkling Parking	171	10260
21	T.L. Lodge	298	13410
22	T.L. Lodge	241	10845
23	T.L. Lodge	241	10845

# کد های جدول

## COST

- SET ANSI\_NULLS ON
- GO
- SET QUOTED\_IDENTIFIER ON
- GO
- CREATE TABLE [dbo].[Cost](
- [Pname] [varchar](255) NULL,
- [Park\_duration] [int] NULL,
- [Amount] [int] NULL
- ) ON [PRIMARY]
- GO

## CUSTOMER

- SET ANSI\_NULLS ON
- GO
- SET QUOTED\_IDENTIFIER ON
- GO
- CREATE TABLE [dbo].[Customer](
- [License\_Plate] [varchar](255) NOT NULL,
- [dateC] [date] NOT NULL,
- [arrival\_time] [time](7) NOT NULL,
- [departure\_time] [time](7) NOT NULL,
- [id\_receipt] [int] IDENTITY(1,1) NOT NULL,
- CONSTRAINT [PK\_Customer] PRIMARY KEY CLUSTERED
- (
- [id\_receipt] ASC
- )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]
- ) ON [PRIMARY]
- GO



# کد های جدول

## PARKING

```
• SET ANSI_NULLS ON
• GO
• SET QUOTED_IDENTIFIER ON
• GO
• CREATE TABLE [dbo].[Parking](
•     [PName] [varchar](255) NOT NULL,
•     [area_number] [int] NULL,
•     [opening_time] [time](7) NOT NULL,
•     [closing_time] [time](7) NOT NULL,
•     [number_of_park_lots] [int] NOT NULL,
•     [Tariffs] [int] NULL,
• PRIMARY KEY CLUSTERED
• (
•     [PName] ASC
• )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
• ) ON [PRIMARY]
• GO
```

## PARKING\_GUARD

```
• SET ANSI_NULLS ON
• GO
• SET QUOTED_IDENTIFIER ON
• GO
• CREATE TABLE [dbo].[Parking_guard](
•     [personnel_number] [int] NOT NULL,
•     [parking_name] [varchar](255) NOT NULL,
•     [first_name] [varchar](255) NOT NULL,
•     [last_name] [varchar](255) NOT NULL,
•     [start_time] [time](7) NOT NULL,
•     [finishing_time] [time](7) NOT NULL,
• PRIMARY KEY CLUSTERED
• (
•     [personnel_number] ASC
• )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
• ) ON [PRIMARY]
• GO
```

# کد های جدول

• SET ANSI\_NULLS ON

• GO

• SET QUOTED\_IDENTIFIER ON

• GO

• CREATE TABLE [dbo].[Parking\_lot](

•     [id] [int] IDENTITY(1,1) NOT NULL,

•     [pNumber] [int] NULL,

•     [license\_plate] [varchar](255) NULL,

•     [Parking\_name] [varchar](255) NULL,

• PRIMARY KEY CLUSTERED

• (

•     [id] ASC

• )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

• ) ON [PRIMARY]

• GO

## PARKING\_LOT

• SET ANSI\_NULLS ON

• GO

• SET QUOTED\_IDENTIFIER ON

• GO

• CREATE TABLE [dbo].[Parking\_receipt](

•     [id\_receipt] [int] IDENTITY(1,1) NOT NULL,

•     [CName] [varchar](255) NOT NULL,

•     [dateC] [date] NULL,

•     [park\_number] [int] NULL,

•     [Ctime] [time](7) NOT NULL,

•     [Parking\_duration] [int] NOT NULL,

•     [PName] [varchar](255) NOT NULL,

• PRIMARY KEY CLUSTERED

• (

•     [id\_receipt] ASC

• )WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

• ) ON [PRIMARY]

• GO

## PARKING\_RECEIPT

## نمونه ثبت داده در جدول :

• نگهبان پارکینگ :

```
INSERT into Parking_guard VALUES  
(50231455, 'Bell  
parking', 'Jimmy', 'Rosin', '09:00:00', '12:  
00:00');
```

• جایگاه پارک :

```
INSERT into Parking_lot VALUES (1, 'Bell  
parking', 'LY4 R2R');
```

• پارکینگ :

```
INSERT into Parking VALUES ('Bell  
parking', 2, '07:00:00', '12:00:00', 200, 50);
```

مشتري :

```
INSERT into Customer VALUES ('LY4  
R2R', '2023-01-26', '09:00:00', '12:00:00');
```

# QUERY(I)

مشخصات کارمندان هر پارکینگ با اطلاعات پارکینگ:

```
SELECT A.first_name+' '+A.last_name AS full_name
,A.parking_name,A.start_time,A.finishing_time,P.opening_time,P.closing_time,P.number_
of_park_lots
FROM Parking_guard as A
INNER JOIN Parking AS P on A.parking_name=P.PName;
```

	full_name ▼	parking_name ▼	start_time ▼	finishing_time ▼	opening_time ▼	closing_time ▼	number_of_park_lots ▼
1	Jake Greenwood	flowers parking	07:00:00	13:30:00	07:00:00	20:00:00	200
2	Dennis Turner	flowers parking	13:30:00	20:00:00	07:00:00	20:00:00	200
3	Charley Marshall	Blooming Parking	08:00:00	13:00:00	08:00:00	18:00:00	200
4	Leon Hudson	Blooming Parking	13:00:00	18:00:00	08:00:00	18:00:00	200
5	Keith Pearce	T.L. Lodge	06:00:00	13:30:00	06:00:00	21:00:00	200
6	Declan Walker	T.L. Lodge	13:30:00	21:00:00	06:00:00	21:00:00	200
7	Daniel Sanders	Parkside Drop	07:00:00	11:00:00	07:00:00	23:00:00	200
8	Nora Adam	Parkside Drop	11:00:00	15:00:00	07:00:00	23:00:00	200
9	Travis Allen	Parkside Drop	15:00:00	19:00:00	07:00:00	23:00:00	200
10	Bryan Smyth	Parkside Drop	19:00:00	23:00:00	07:00:00	23:00:00	200
11	Jacob Ellison	Sparkling Parking	07:00:00	12:00:00	07:00:00	17:00:00	200
12	Jim Hunter	Sparkling Parking	12:00:00	17:00:00	07:00:00	17:00:00	200



## QUERY(2)

```
SELECT a.PName,a.dateC,sum(c.Amount)
FROM Parking_receipt as a INNER JOIN Cost as c
on a.Parking_duration=c.Park_duration AND a.PName=c.Pname
GROUP BY a.PName,a.dateC;
```

درآمد هر پارکینگ در هر روز

	PName	dateC	(No column name)
1	Parkside Drop	2022-01-25	59580
2	Sparkling Parking	2022-01-25	41280
3	T.L. Lodge	2022-01-25	13815
4	T.L. Lodge	2022-01-26	43695
5	Blooming Parking	2022-01-27	23050
6	flowers parking	2022-01-27	282500
7	Parkside Drop	2022-01-27	19485
8	Sparkling Parking	2022-01-27	89760
9	T.L. Lodge	2022-01-27	6570
10	Sparkling Parking	2022-01-28	60000
11	T.L. Lodge	2022-01-28	6165
12	Blooming Parking	2022-01-29	7350
13	Parkside Drop	2022-01-29	5670
14	Blooming Parking	2022-01-30	47800
15	Parkside Drop	2022-01-30	64620
16	Blooming Parking	2022-01-31	14650
17	flowers parking	2022-01-31	20200
18	Sparkling Parking	2022-01-31	26880
19	Blooming Parking	2022-02-01	225400
20	Parkside Drop	2022-02-01	136980
21	Sparkling Parking	2022-02-01	99240

## QUERY(3)

```
SELECT PName,park_number,COUNT(CName) as popularity
from Parking_receipt
GROUP by PName,park_number
ORDER BY popularity desc;
```

محبوبت هر جایگاه پارک در  
پارکینگ

	PName	park_number	popularity
1	flowers parking	86	6
2	Sparkling Parking	39	5
3	flowers parking	44	5
4	flowers parking	192	5
5	Blooming Parking	200	5
6	Sparkling Parking	182	4
7	flowers parking	171	4
8	Blooming Parking	174	4
9	Parkside Drop	104	4
10	flowers parking	113	4
11	Parkside Drop	127	4
12	Blooming Parking	145	4
13	Sparkling Parking	31	4
14	Sparkling Parking	9	4
15	flowers parking	10	4
16	Sparkling Parking	54	4
17	Sparkling Parking	50	3
18	Parkside Drop	49	3
19	Sparkling Parking	56	3
20	Blooming Parking	63	3
21	Sparkling Parking	63	3
22	Blooming Parking	64	3

## QUERY(4)

```
SELECT COUNT(id_receipt) as number_of_customers ,Parking.area_number FROM  
Parking_receipt  
INNER JOIN Parking on Parking.PName=Parking_receipt.PName  
GROUP by Parking.area_number  
ORDER BY number_of_customers;
```

```
SELECT Parking_receipt.PName, COUNT(Parking_receipt.id_receipt) as  
number_of_customers FROM Parking_receipt  
GROUP by Parking_receipt.PName  
ORDER BY number_of_customers;
```

تعداد مشتریان هر منطقه و هر  
پارکینگ

	number_of_customers ▼	area_number ▼
1	206	6
2	363	4
3	431	2

	PName ▼	number_of_customers ▼
1	T.L. Lodge	163
2	Sparkling Parking	200
3	Parkside Drop	206
4	flowers parking	212
5	Blooming Parking	219

## QUERY(5)

```
select A.Pname,AVG(A.Amount) AS AVERAGE
from Parking_receipt as r INNER JOIN Cost as A on
r.Parking_duration=A.Park_duration AND r.PName=A.Pname
GROUP by A.Pname;
```

میانگین هزینه پرداختی به هر  
پارکینگ

	Pname	AVERAGE
1	flowers parking	13270
2	T.L. Lodge	10818
3	Sparkling Parking	16875
4	Parkside Drop	13633
5	Blooming Parking	13555



## QUERY(6)

```
SELECT C.License_Plate
,C.arrival_time,C.departure_time,q.parking_name,q.full_name,q.dateC
FROM Customer AS C INNER JOIN

(select A.parking_name,A.first_name+'
'+A.last_name as full_name
,r.CName,A.start_time,A.finishing_time
,r.dateC
from Parking_receipt as r INNER JOIN
Parking_guard as A
on r.PName=A.parking_name) as q
on C.license_plate=q.CName
where C.departure_time>=q.start_time
and C.departure_time<=q.finishing_time
ORDER by q.full_name;
```

	License_Plate	arrival_time	departure_time	parking_name	full_name	dateC
1	AC6 Y7E	08:15:06	13:42:39	Parkside Drop	Nora Adam	2022-07-17
2	AD7 X0B	09:34:37	14:47:31	flowers parking	Dennis Turner	2022-10-10
3	AE4 B7W	09:51:39	14:46:49	Parkside Drop	Nora Adam	2022-11-26
4	AF0 H70	10:55:27	15:08:34	flowers parking	Dennis Turner	2022-06-09
5	AF2 J8E	11:20:18	13:39:13	flowers parking	Dennis Turner	2022-08-27
6	AF5 M6C	10:51:19	16:37:20	Blooming Parking	Leon Hudson	2022-04-16
7	AG1 G3Y	08:42:12	15:03:41	Parkside Drop	Travis Allen	2023-01-16
8	AG7 V9T	08:52:34	15:55:37	T.L. Lodge	Declan Walker	2022-10-17
9	AG8 C9V	12:02:56	14:30:49	flowers parking	Dennis Turner	2022-07-24
10	AH0 G4E	12:21:15	14:38:43	T.L. Lodge	Declan Walker	2022-01-28
11	AH3 W2L	12:58:23	16:34:15	Sparkling Parking	Jim Hunter	2022-12-07
12	AH5 Q8L	09:26:24	13:36:48	T.L. Lodge	Declan Walker	2022-07-11
13	AH6 V1S	11:26:19	13:32:09	Parkside Drop	Nora Adam	2022-01-29
14	AH7 Q40	11:15:21	14:06:19	Sparkling Parking	Jim Hunter	2022-06-16
15	AI0 A6C	08:39:35	13:37:25	T.L. Lodge	Declan Walker	2022-02-18
16	AI9 04F	12:23:36	16:24:28	T.L. Lodge	Declan Walker	2022-10-16
17	AI9 07M	08:40:31	14:46:34	Parkside Drop	Nora Adam	2022-06-06

هنگام خروج هر خودرو چه  
نگهبانی مامور بوده است

# کدهای اجرا شده و تعویض شده به صورت چک نویس

```
• -- CREATE TABLE Parking_guard (
• --     personnel_number INTEGER ,
• --     parking_name VARCHAR(255) NOT NULL,
• --     first_name VARCHAR(255) NOT NULL,
• --     last_name VARCHAR(255) NOT NULL,
• --     start_time TIME NOT NULL,
• --     finishing_time TIME NOT NULL,
• --     PRIMARY KEY(personnel_number)
• -- );
```

```
-- CREATE TABLE Parking (
--     PName VARCHAR(255) ,
--     area_number INTEGER,
--     opening_time TIME NOT NULL,
--     closing_time TIME NOT NULL,
--     number_of_park_lots INTEGER NOT
NULL,
--     Tariffs money,
--     PRIMARY KEY( PName)
-- );
```

```
-- CREATE TABLE Customer (
--     License_Plate VARCHAR(255) ,
--     dateC DATE,
--     arrival_time TIME NOT NULL,
--     departure_time TIME NOT NULL,
--     PRIMARY
KEY(License_Plate,dateC,arrival_time)
-- );
```

# کدهای اجرا شده و تعویض شده به صورت چک نویس

```
--DROP TABLE CCC;

--ALTER TABLE  Parking_lot DROP pstatus;

--DROP TABLE Cost;

-- SELECT J.PName AS parking_name , J.Parking_duration as Parking_duration , A.Tariffs AS Tariffs
-- into CC
-- FROM Parking_receipt as J  INNER JOIN Parking AS A ON J.PName=A.PName;

-- CREATE TABLE Cost (
--     Pname VARCHAR(255),
--     Park_duration  INTEGER,
--     Amount money,
-- );

-- INSERT INTO Cost (Park_duration,Pname)
-- SELECT Parking_duration,parking_name
-- FROM CC;

-- SELECT J.parking_name,J.Parking_duration,A.A
-- into CCC
-- FROM CC as J  INNER JOIN JA AS A ON J.Parking_duration=A.D AND J.parking_name=A.P;

-- ALTER TABLE Parking_lot  add PRIMARY KEY (id);
--SELECT * from cost;
--ALTER TABLE Cost  ALTER COLUMN Amount int;

-- ALTER TABLE  Parking_receipt add id_receipt int IDENTITY ;

-- ALTER TABLE Parking_receipt  add PRIMARY KEY (id_receipt);
```

```
-- CREATE TABLE Parking_lot (
--     pNumber  INTEGER,
--     license_plate VARCHAR(255),
--     Parking_name VARCHAR(255)
-- );

-- CREATE TABLE Parking_receipt(
--     CName  VARCHAR(255) ,
--     dateC DATE,
--     park_number  INTEGER,
--     Ctime TIME NOT NULL,
--     Parking_duration  INTEGER NOT NULL,
--     PName  VARCHAR(255) NOT NULL ,
--     PRIMARY KEY(CName)
-- );

-- CREATE TABLE Cost (
--     Park_duration  INTEGER,
--     Pname VARCHAR(255),
--     Amount money,
-- );

-- SELECT A.dateC AS dateC,a.arrival_time as
Ctime,J.pNumber as park_number ,J.license_plate AS
license_plate ,
-- J.Parking_name AS Parking_name ,J.pNumber,
-- (DATEDIFF(MINUTE,A.arrival_time,A.departure_time))
AS duration
-- into Q
-- FROM Parking_lot as J  INNER JOIN Customer AS A ON
J.license_plate=A.License_Plate;

-- DELETE FROM Parking_receipt;

-- INSERT INTO Parking_receipt
(CName,dateC,park_number,Ctime,Parking_duration,PName)
-- SELECT license_plate , dateC ,park_number
,Ctime,duration ,Parking_name
-- FROM Q;
```