INSURANCE DATABASE~ Mahantesh Gattina 1BM19CS219

CREATE SCHEMA insurance;

CREATE TABLE person(

driver\_id CHAR(10) NOT NULL,

name CHAR(20) NOT NULL,

address VARCHAR(30) NOT NULL,

PRIMARY KEY(driver\_id)

);

CREATE TABLE car(

reg\_num CHAR(10) NOT NULL,

model CHAR(10) NOT NULL,

year INT NOT NULL,

PRIMARY KEY(reg\_num)

);

CREATE table accident(

report\_num INT NOT NULL,

accident\_date DATE,

location VARCHAR(30) NOT NULL,

PRIMARY KEY(report\_num)

);

CREATE TABLE owns(

driver\_id CHAR(10) NOT NULL,

reg\_num CHAR(10) NOT NULL

);

ALTER TABLE owns

ADD FOREIGN KEY(driver\_id) REFERENCES person(driver\_id),

ADD FOREIGN KEY(reg\_num) REFERENCES car(reg\_num);

CREATE TABLE participated(

driver\_id CHAR(10) NOT NULL,

reg\_num CHAR(10) NOT NULL,

report\_num INT NOT NULL,

damage\_amount INT NOT NULL,

FOREIGN KEY(driver\_id) REFERENCES person(driver\_id),

FOREIGN KEY(reg\_num) REFERENCES car(reg\_num),

FOREIGN KEY(report\_num) REFERENCES accident(report\_num)

);

INSERT INTO person(driver\_id, name, address)

VALUES

('A01','DAVID','Srinivas Nagar'),

('A02','BRIAN','Ashok Nagar'),

('A03','DOUGH','Majestic'),

('A04','EMMA','Kadugodi'),

('A05','LLOYD','Malleshwaram');

INSERT INTO car(reg\_num,model,year)

VALUES

('KA051234','Indica',2016),

('KA051235','Baleno',2017),

('KA051236','Tavera',2018),

('KA051237','Scorpio',2019),

('KA051238','Swift',2020);

INSERT INTO owns

(driver\_id,reg\_num)

VALUES

('A01','KA051234'),

('A02','KA051235'),

('A03','KA051236'),

('A04','KA051237'),

('A05','KA051238');

INSERT INTO participated (driver\_id,reg\_num,report\_num,damage\_amount) VALUES ('A01','KA051234',1,5000), ('A02','KA051235',2,10000), ('A03','KA051236',3,15000), ('A04','KA051237',4,20000), ('A05','KA051238',5,25000)

INSERT INTO person (driver\_id, name, address) VALUES ('A06','RICHARD','ShivNagara')

INSERT INTO car (reg\_num, model, year) VALUES ('KA051239','Tavera',2021)

INSERT INTO owns (driver\_id, reg\_num) VALUES ('A06', 'KA051239');

INSERT INTO accident (report\_num, accident\_date, location) VALUES (12, '2005-03-12', 'MG road')

INSERT INTO participated

(driver\_id, reg\_num, report\_num, damage\_amount)

VALUES

('A06','KA051239',12,30000);

## Dumping data for table accident

|  |  |  |
| --- | --- | --- |
| 1 | 2003-01-01 | Mysore Road |
| 2 | 2005-01-02 | Mangalore Road |
| 3 | 2007-01-06 | Ashok Nagar |
| 4 | 2008-05-05 | Nagarabhavi |
| 5 | 2021-01-01 | MG road |
| 12 | 2005-03-12 | MG road |

## Dumping data for table car

|  |  |  |
| --- | --- | --- |
| KA051234 | Indica | 2016 |
| KA051235 | Baleno | 2017 |
| KA051236 | Tavera | 2018 |
| KA051237 | Scorpio | 2019 |
| KA051238 | Swift | 2020 |
| KA051239 | Tavera | 2021 |

## Dumping data for table owns

|  |  |
| --- | --- |
| A01 | KA051234 |
| A02 | KA051235 |
| A03 | KA051236 |
| A04 | KA051237 |
| A05 | KA051238 |
| A06 | KA051239 |
| A06 | KA051239 |

## Dumping data for table participated

|  |  |  |  |
| --- | --- | --- | --- |
| A01 | KA051234 | 1 | 5000 |
| A02 | KA051235 | 2 | 10000 |
| A03 | KA051236 | 3 | 15000 |
| A04 | KA051237 | 4 | 20000 |
| A05 | KA051238 | 5 | 25000 |
| A06 | KA051239 | 12 | 30000 |

## Dumping data for table person

|  |  |  |
| --- | --- | --- |
| A01 | DAVID | Srinivas Nagar |
| A02 | BRIAN | Ashok Nagar |
| A03 | DOUGH | Majestic |
| A04 | EMMA | Kadugodi |
| A05 | LLOYD | Malleshwaram |
| A06 | RICHARD | ShivNagara |

a.Update the damage amount for the car with a specific Regno in the accident with report number 12 to 25000

UPDATE participated

SET damage\_amount = 25000

WHERE report\_num = 12

AND reg\_num = 'KA051239'

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **[driver\_id](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=participated&sql_query=SELECT+*+FROM+participated++%0AORDER+BY+`participated`.`driver_id`+ASC&sql_signature=65856521856bcb38bc8e4411dd745b35d5bc7ed9d3aecf07818be4e4456d5f90&session_max_rows=25&is_browse_distinct=0)** | **[reg\_num](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=participated&sql_query=SELECT+*+FROM+participated++%0AORDER+BY+`participated`.`reg_num`+ASC&sql_signature=c4b3c8a1316dab28fe9a87a2673b493a34b239f09d241964bf875ef1cd5893ec&session_max_rows=25&is_browse_distinct=0)** | **[report\_num](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=participated&sql_query=SELECT+*+FROM+participated++%0AORDER+BY+`participated`.`report_num`+ASC&sql_signature=987d0a5eac765059f336158ec2b6441477baedecbdc78bf577d437e94a7e3329&session_max_rows=25&is_browse_distinct=0)** | **[damage\_amount](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=participated&sql_query=SELECT+*+FROM+participated++%0AORDER+BY+`participated`.`damage_amount`+ASC&sql_signature=6d193acb389b84d01dd1b053c07aa48bfb3c990cd93721c7daa6af03c431cc5e&session_max_rows=25&is_browse_distinct=0)** |  |
| [A01](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=63a0ef9fb3a2bc9c4ef8b7c17063147a7547d0016ac33cde393418be39c80625&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A01'" \o "A01) | [KA051234](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=0aca3731f1a35bb68fbd9828906cd65d8d18216c5d23e3b24bfbf61c29312d46&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051234'" \o "KA051234) | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=902cb935b7442cb61fb4ed610d9e5f7e8b9666ebf8ca00c6d4405d94fdc5ea0f&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+1" \o "Mysore Road) | 5000 |  |
| [A02](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=a2a7e4ef734624d76fca082f8aced206fd17877295c5a4c5a0804c0934ad4345&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A02'" \o "A02) | [KA051235](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=46317143a007cecb3c7c23a2ed8a76b0272a0c1841928cac575b6577695eb155&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051235'" \o "KA051235) | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=b87f2d5b1ab07dc798f0b83e3e6240ff001c4f904a2849958e024aebc2f245c1&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+2" \o "Mangalore Road) | 10000 |  |
| [A03](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=72eff21a0310d68ebb672fead0bc2d33c6f78f37204134a1e4a833f5b5c01db7&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A03'" \o "A03) | [KA051236](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=e9369f2abd9dc5cb24c63723b9634ea109c1a4e8396aabde8703064ef01892e1&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051236'" \o "KA051236) | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=f27e448a2b2643d82cd3e267860b4184796314acab1915c03a52dd4ff56e2512&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+3" \o "Ashok Nagar) | 15000 |  |
| [A04](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=e9af9d1c8657904c607cdddc918d2db600990e51c01b094d2dd5279316a09c81&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A04'" \o "A04) | [KA051237](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=f8a29b52af0d07ce66ef8dab5e9f0f92edf1d8f3128ffe2910decb64555693dd&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051237'" \o "KA051237) | [4](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=2e4827c20ff7ba01443452b6f51e6113698b67b680e4ae63c29aac98f4058140&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+4" \o "Nagarabhavi) | 20000 |  |
| [A05](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=f35db6338766af8e42bdb2bec10c14fe7759a4499b2880ad81d5ddd3c1ff94f2&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A05'" \o "A05) | [KA051238](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=09c163edeba2b577d604e2bf8bde3a44b8e58feceaf5a50094e9487b35f4bd1a&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051238'" \o "KA051238) | [5](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=8fafdfbcb80f62415eecfab6cb97c4b475fe6ae425d66e96ca58bf7c1beebda4&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+5" \o "MG road) | 25000 |  |
| [A06](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=person&pos=0&sql_signature=c38a3046e735bcc8f0f88611450ab538a331872605ab17c0844561b4ec0cfa54&sql_query=SELECT+*+FROM+`insurance`.`person`+WHERE+`driver_id`+=+'A06'" \o "A06) | [KA051239](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=car&pos=0&sql_signature=710d138a7146f8586753b0ed6800d10050767f5ce8838f9c98773f31f02142de&sql_query=SELECT+*+FROM+`insurance`.`car`+WHERE+`reg_num`+=+'KA051239'" \o "KA051239) | [12](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&pos=0&sql_signature=1eb0e1d69897eaf10f2e74e1c265b698efebe1f91514bd7d0e6caf66b8fbc7eb&sql_query=SELECT+*+FROM+`insurance`.`accident`+WHERE+`report_num`+=+12" \o "MG road) | 25000 |  |

b. Add a new accident to the database.

INSERT INTO accident

(report\_num, accident\_date, location)

VALUES

(13,'2021-05-19','Ballari');

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|  |  |  |
| --- | --- | --- |
| **[eport\_num](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&sql_query=SELECT+*+FROM+accident++%0AORDER+BY+`accident`.`report_num`+ASC&sql_signature=8a9117ef4b1dea78474eccfd3f098a07e5d09c5d154f4b02252436218fbbee4e&session_max_rows=25&is_browse_distinct=0)** | **[accident\_date](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&sql_query=SELECT+*+FROM+accident++%0AORDER+BY+`accident`.`accident_date`+DESC&sql_signature=feb898f765882962a24eca279445c93f7c9755dcad8552bbf5ef7870bcbe4a5c&session_max_rows=25&is_browse_distinct=0)** | **[location](http://localhost/phpmyadmin/index.php?route=/sql&db=insurance&table=accident&sql_query=SELECT+*+FROM+accident++%0AORDER+BY+`accident`.`location`+ASC&sql_signature=706b691c31b1c6f41d8c8ace1b488ac4544e3baf2b901ac39fa382e10f03f3b8&session_max_rows=25&is_browse_distinct=0)** |
| 1 | 2003-01-01 | Mysore Road |
| 2 | 2005-01-02 | Mangalore Road |
| 3 | 2007-01-06 | Ashok Nagar |
| 4 | 2008-05-05 | Nagarabhavi |
| 5 | 2021-01-01 | MG road |
| 12 | 2005-03-12 | MG road |
| 13 | 2021-05-19 | Ballari |

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. Find the total number of people who owned cars that involved in accidents in 2008

|  |  |
| --- | --- |
| **COUNT(DISTINCT driver\_id)** |  |
| 1 |  |

Find the number of accidents in which cars belonging to a specific model were involved.

|  |  |
| --- | --- |
| **count(reg\_num)** |  |
| 1 |  |