

Create table passenger with following fields

Pnr no

Ticket no

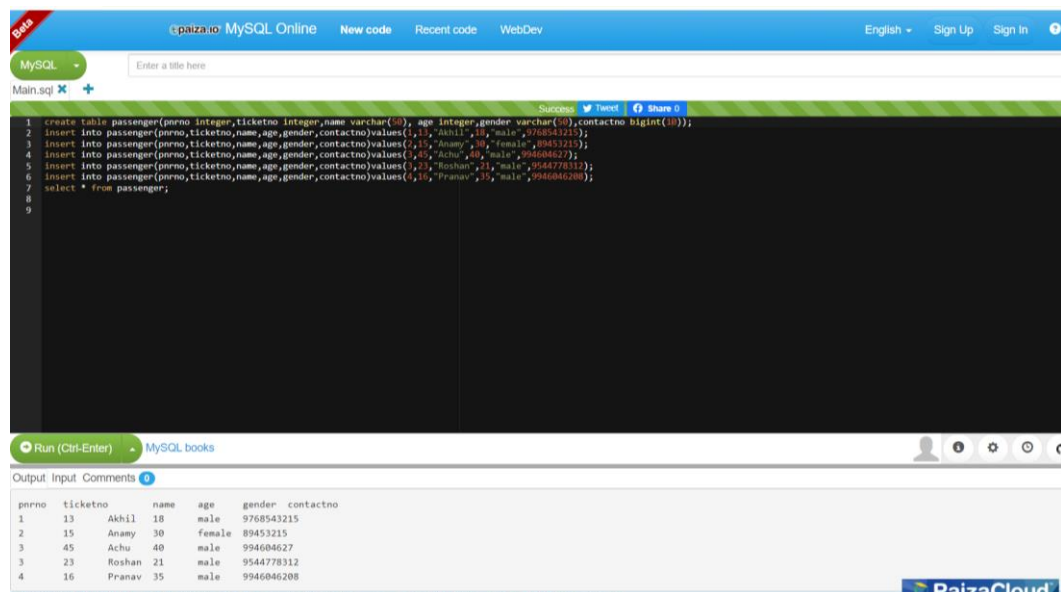
Name

Age

Gender

Contactno

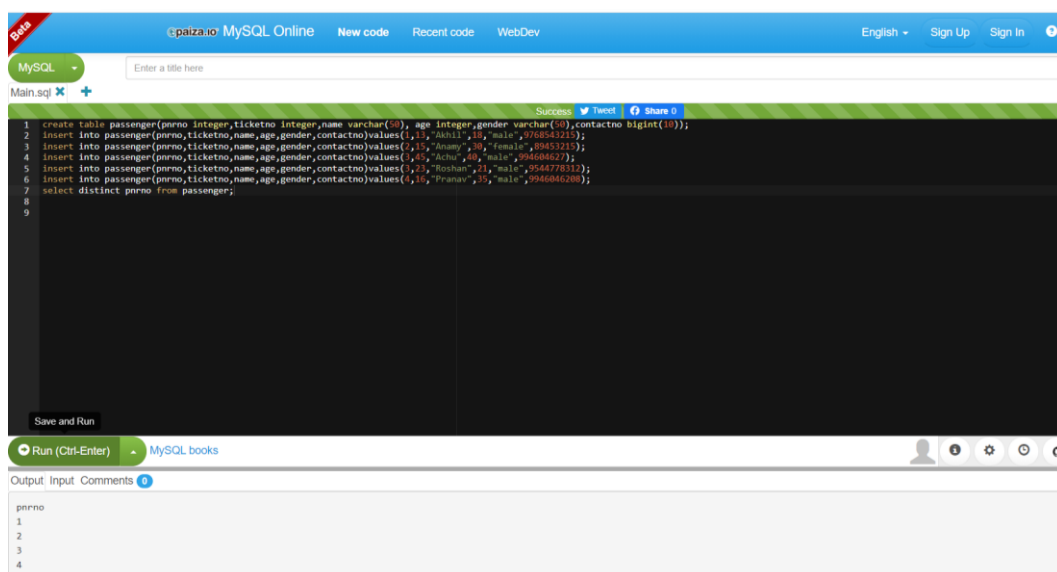
Insert values into table and perform following queries



```
1 create table passenger(pnrno integer,ticketno integer,name varchar(50),age integer,gender varchar(50),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,'Akhil',18,'male',9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,'Anam',30,'female',89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,'Achu',40,'male',994604627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,23,'Roshan',21,'male',9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(5,16,'Pranav',35,'male',9946046208);
7 select * from passenger;
```

pnrno	ticketno	name	age	gender	contactno
1	13	Akhil	18	male	9768543215
2	15	Anam	30	female	89453215
3	45	Achu	40	male	994604627
4	23	Roshan	21	male	9544778312
5	16	Pranav	35	male	9946046208

1. Display unique pnrno of passengers



```
1 create table passenger(pnrno integer,ticketno integer,name varchar(50),age integer,gender varchar(50),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,'Akhil',18,'male',9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,'Anam',30,'female',89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,'Achu',40,'male',994604627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,23,'Roshan',21,'male',9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(5,16,'Pranav',35,'male',9946046208);
7 select distinct pnrno from passenger;
```

pnrno
1
2
3
4

2. Display name of all male passengers

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MySQL - Enter a title here

Main.sql

```

1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,"Akshil",18,"male",9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,"Anam",30,"female",89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,"Achu",40,"male",994084627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,23,"Roshan",21,"male",9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,"Pranav",35,"male",9940846208);
7 select * from passenger where gender="male";
8
9

```

Save and Run

Run (Ctrl-Enter) - MySQL books

Output Input Comments

pnrno	ticketno	name	age	gender	contactno
1	13	Akshil	18	male	9768543215
3	45	Achu	40	male	994084627
3	23	Roshan	21	male	9544778312
4	16	Pranav	35	male	9940846208

3. Display name of passengers whose age between 29 and 45

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MySQL - Enter a title here

Main.sql

```

1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,"Akshil",18,"male",9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,"Anam",30,"female",89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,"Achu",40,"male",994084627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,23,"Roshan",21,"male",9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,"Pranav",35,"male",9940846208);
7 select * from passenger where age between 29 and 45;
8
9

```

Save and Run

Run (Ctrl-Enter) - MySQL books

Output Input Comments

pnrno	ticketno	name	age	gender	contactno
2	15	Anam	30	female	89453215
3	45	Achu	40	male	994084627
4	16	Pranav	35	male	9940846208

4. Display name of passengers whose name begin with r

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MySQL - Enter a title here

Main.sql

```

1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,"Akshil",18,"male",9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,"Anam",30,"female",89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,"Achu",40,"male",994084627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,23,"Roshan",21,"male",9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,"Pranav",35,"male",9940846208);
7 select * from passenger where name like "R%";
8

```

Save and Run

Run (Ctrl-Enter) - MySQL books

Output Input Comments

pnrno	ticketno	name	age	gender	contactno
3	23	Roshan	21	male	9544778312

5. Display sorted list of passengers by name

The screenshot shows the paiza.io MySQL Online interface. The SQL editor contains the following code:

```
1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,Akhil,18,male,9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,Anam,30,female,89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,Achu,40,male,994604627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,23,Roshan,21,male,9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,Pranav,35,male,9946046208);
7 select * from passenger order by name asc;
8
```

The output shows the following table:

pnrno	ticketno	name	age	gender	contactno
3	45	Achu	40	male	994604627
1	13	Akhil	18	male	9768543215
2	15	Anam	30	female	89453215
4	16	Pranav	35	male	9946046208
3	23	Roshan	21	male	9544778312

6. Find total no of passengers in table

The screenshot shows the paiza.io MySQL Online interface. The SQL editor contains the following code:

```
1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,Akhil,18,male,9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,Anam,30,female,89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,Achu,40,male,994604627);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,23,Roshan,21,male,9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,Pranav,35,male,9946046208);
7 select count(*) from passenger;
```

The output shows the following table:

count(*)
5

7. Find minimum and maximum age of passengers

The screenshot shows the paiza.io MySQL Online interface. The SQL editor contains the following code:

```
1 create table passenger(pnrno integer,ticketno integer,name varchar(50), age integer,gender varchar(10),contactno bigint(10));
2 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(1,13,Akhil,18,male,9768543215);
3 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(2,15,Anam,30,female,89453215);
4 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(3,45,Achu,40,male,9946046208);
5 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,23,Roshan,21,male,9544778312);
6 insert into passenger(pnrno,ticketno,name,age,gender,contactno)values(4,16,Pranav,35,male,9946046208);
7 select age from passenger where age=(select min(age)from passenger)union select age from passenger where age=(select max(age)from passenger);
```

The output shows the following table:

age
18
40

8. Find sum and average age of passengers

The screenshot shows the MySQL Online interface with a query executed successfully. The query creates a table named 'passenger' and inserts six records. The final query calculates the sum and average age of the passengers.

```
1 create table passenger(prmno integer,ticketno integer,name varchar(50),age integer,gender varchar(50),contactno bigint(10));
2 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(1,13,"Akhil",18,"male",9768543215);
3 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(2,15,"Anany",30,"female",8945321521);
4 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(3,45,"Achu",40,"male",9946086201);
5 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(4,23,"Roshan",21,"male",9544778311);
6 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(5,16,"Pranav",35,"male",9946082100);
7 select sum(age)as sum_age,avg(age)as avg_age from passenger;
```

The output shows the sum of ages is 144 and the average age is 28.8000.

sum_age	avg_age
144	28.8000

9. Find ticket number of passengers whose name starts with r and ends with n

The screenshot shows the MySQL Online interface with a query executed successfully. The query creates a table named 'passenger' and inserts six records. The final query selects the ticket number of passengers whose name starts with 'r' and ends with 'n'.

```
1 create table passenger(prmno integer,ticketno integer,name varchar(50),age integer,gender varchar(50),contactno bigint(10));
2 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(1,13,"Akhil",18,"male",9768543215);
3 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(2,15,"Anany",30,"female",8945321521);
4 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(3,45,"Achu",40,"male",9946086201);
5 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(4,23,"Roshan",21,"male",9544778311);
6 insert into passenger(prmno,ticketno,name,age,gender,contactno)values(5,16,"Pranav",35,"male",9946082100);
7 select ticketno from passenger where name like "Rn";
```

The output shows the ticket number 23.

ticketno
23