

**Group Members Names:**

***Asif khan (BAI-23S-082)***

***Shahryar Zabihullah (BAI-23S-034)***

***Sheikh Muhammad Haris (BAI-23S-010)***

***Muhammad Sajid (BAI-23S-004)***

***Database Project Queries***

**Station**

select \* from station;

select \* from station where station\_name like 'r%';

select count(\*) from station;

select station.station\_name from train\_schedule join station on train\_schedule.station\_id=station.station\_id

where train\_schedule.train\_id=(select train\_id from trains where train\_name="rahman baba");

**Train**

select \* from trains;

select train\_name , capacity from trains;

select count(\*) from trains;

select \* from trains where capacity > 2000;

select sum(capacity) from trains;

select avg(capacity) from trains;

**Maintenance Crew**

select \* from maintainance\_crew;

select crew\_name , specialization from maintainance\_crew;

select \* from maintainance\_crew where specialization='mechanical';

select \* from maintainance\_crew order by crew\_id desc;

select distinct specialization from maintainance\_crew;

**Maintainance Record**

select \* from maintainance\_record;

select record\_id, maintainance\_date from maintainance\_record;

select \* from maintainance\_record where maintainance\_date > '2019-12-19';

select train\_id, maintainance\_date from maintainance\_record order by maintainance\_date asc;

select \* from maintainance\_record where train\_id=103;

select \* from maintainance\_record where crew\_id=(select crew\_id from mainatinance\_crew where crew\_name="asif");

select maintainance\_record.record\_id, maintainance\_record.maintainance\_date,

maintainance\_crew.crew\_name, maintainance\_crew.specialization from maintainance\_record join maintainance\_crew on

maintainance\_record.crew\_id=maintainance\_crew.crew\_id;

**Train Schedule**

select \* from train\_schedule;

select schedule\_id,departure\_time,arrival\_time from train\_schedule;

select \* from train\_schedule where departure\_time between '08:00:00' and '10:30:00';

select train\_schedule.schedule\_id , trains.train\_name , station.station\_name , train\_schedule.departure\_time ,

train\_schedule.arrival\_time from train\_schedule join trains on train\_schedule.train\_id=trains.train\_id

join station on train\_schedule.station\_id=station.station\_id;

**Ticket**

select \* from tickets;

select passenger\_name, seat\_no from tickets;

select \* from tickets where passenger\_name = 'passenger 13';

select \* from tickets where seat\_no % 2<>0;

select distinct passenger\_name from tickets;

select tickets.ticket\_id, passenger\_name, departure\_time, arrival\_time from tickets join train\_schedule on tickets.schedule\_id= train\_schedule.schedule\_id;

select tickets.ticket\_id, tickets.passenger\_name, train\_schedule.departure\_time, train\_schedule.arrival\_time

from tickets join train\_schedule on tickets.schedule\_id = train\_schedule.schedule\_id where train\_schedule.train\_id =

(select train\_id from trains where train\_name = "karakoram");

**Employee**

select \* from employees;

select employee\_name, position from employees;

select \* from employees where position = 'manager';

select count(\*) from employees;

**Passenger**

select \* from passengers;

select passenger\_name,contact\_number from passengers;

select \* from passengers where contact\_number ='0333456890';

select passenger\_name from passengers where contact\_number is not null;