ASSIGNMENT ON SQL:

1) Create A Table With Four Columns Of Your Choice, Making That They Have Null Constraints

```
create database assignment1;

use assignment1;

create table HRDATA(nameofemployee varchar(30)not null,empid varchar(20) not null primary key,emp_mob_no int not null,no_of_days_present int not null);

insert into HRDATA
values("abc","A123",98754210,28),("cde","C456",87653209,30),("efg","e789",98764200,28),("ghi","G012",98742210,28);

select * from hrdata;
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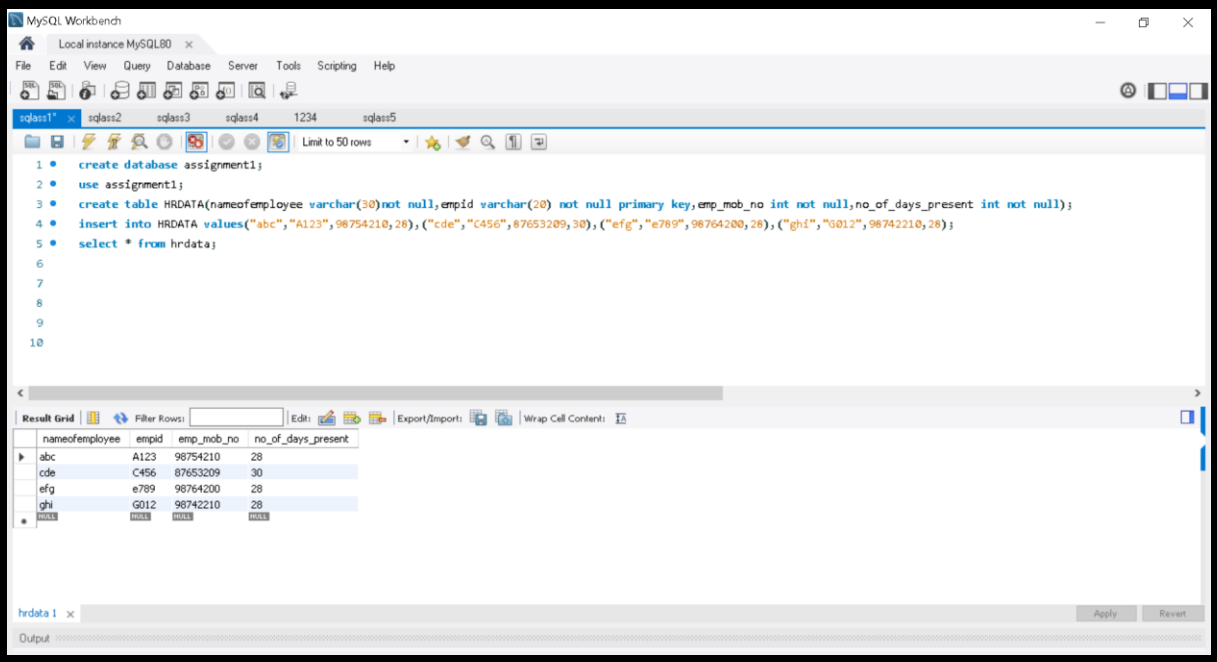


2) Create A Sales Table Having Columns ID, Product name, Price Per Unit And Quantity, and Then Create A View Which Will Show The Total Cost Per Each Product And Product Name

```
create database assignment2;

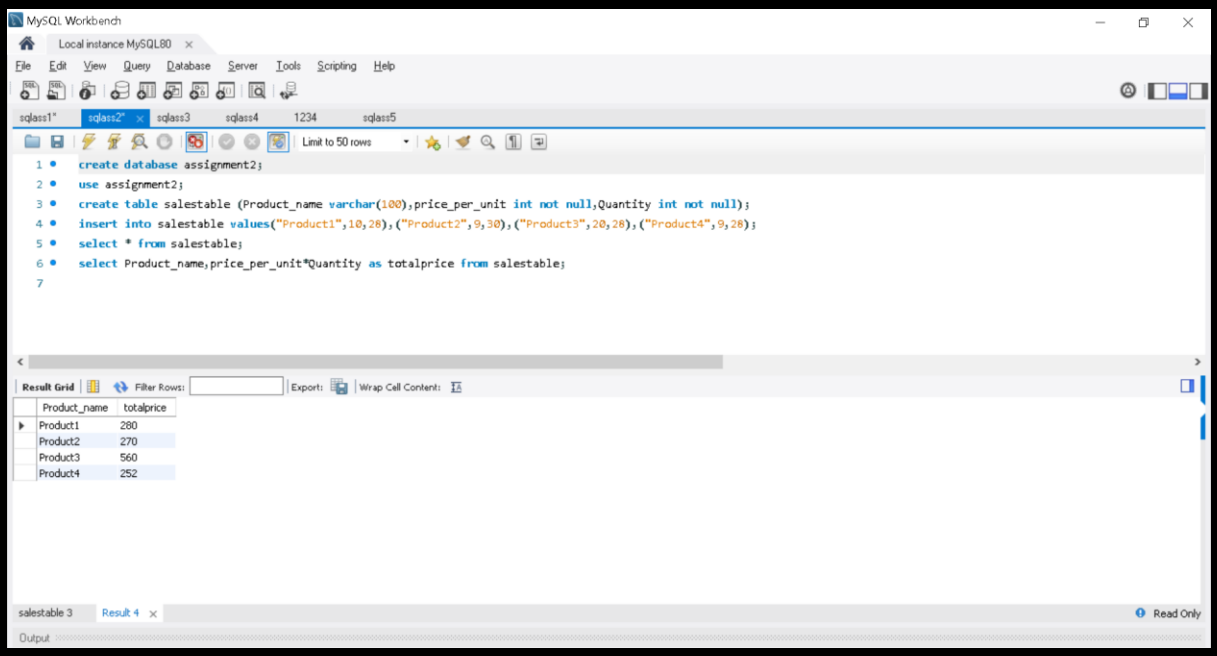
use assignment2;

create table salestable (Product_name varchar(100),price_per_unit int not null,Quantity int not null);

insert into salestable
values("Product1",10,28),("Product2",9,30),("Product3",20,28),("Product4",9,28);

select * from salestable;

select Product_name,price_per_unit*Quantity as totalprice from salestable;
```



3)

3)

For this challenge, use the same table again:

id	Name	Age
1	Bob	21
2	Sam	19
3	Jill	18
4	Jim	21
5	Sally	19
6	Jess	20
7	Will	21

Your task for this challenge is to return a sum of all the ages in the table. Your query should

```
create database assignment3;

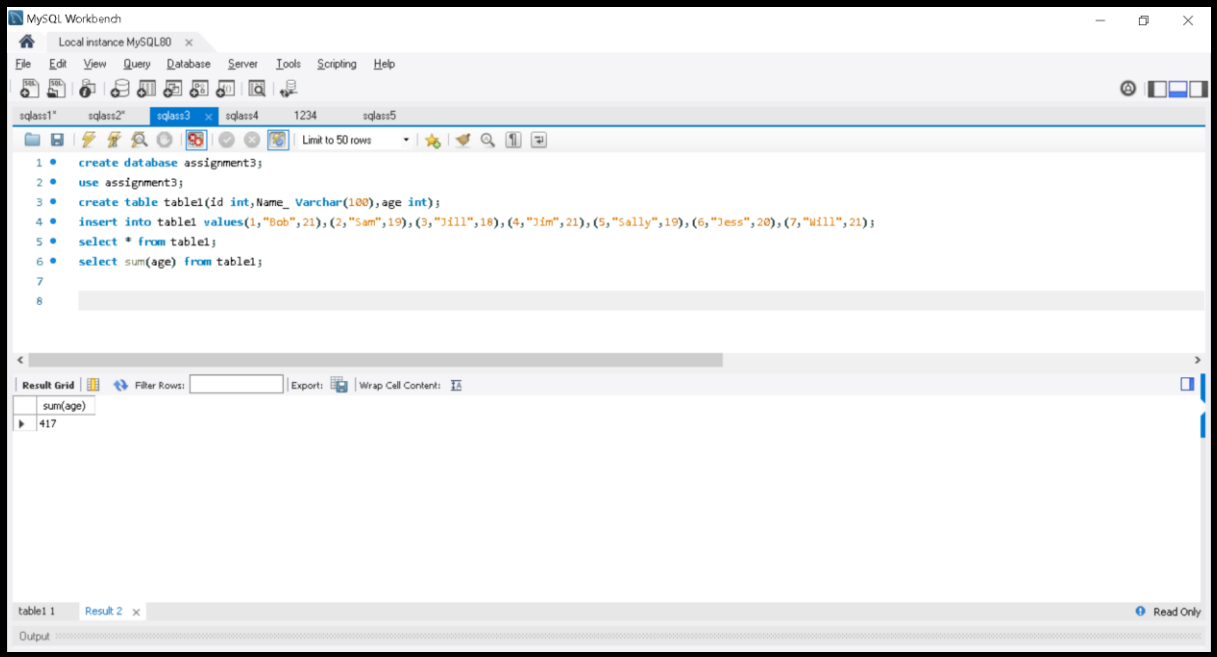
use assignment3;

create table table1(id int,Name_ Varchar(100),age int);

insert into table1
values(1,"Bob",21),(2,"Sam",19),(3,"Jill",18),(4,"Jim",21),(5,"Sally",19),(6,"Jess",20),(7,"Will",21);

select * from table1;

select sum(age) from table1;
```



4)

4)

This is the table structure that you'll use for this SQL challenge:

id	Name	Age
1	Bob	21
2	Sam	19
3	Jill	18
4	Jim	21
5	Sally	19
6	Jess	20
7	Will	21

The challenge is to write a query that'll group all the people by their age, along with a count of the people that are the same age. Here's

```
create database assignmentgroup;

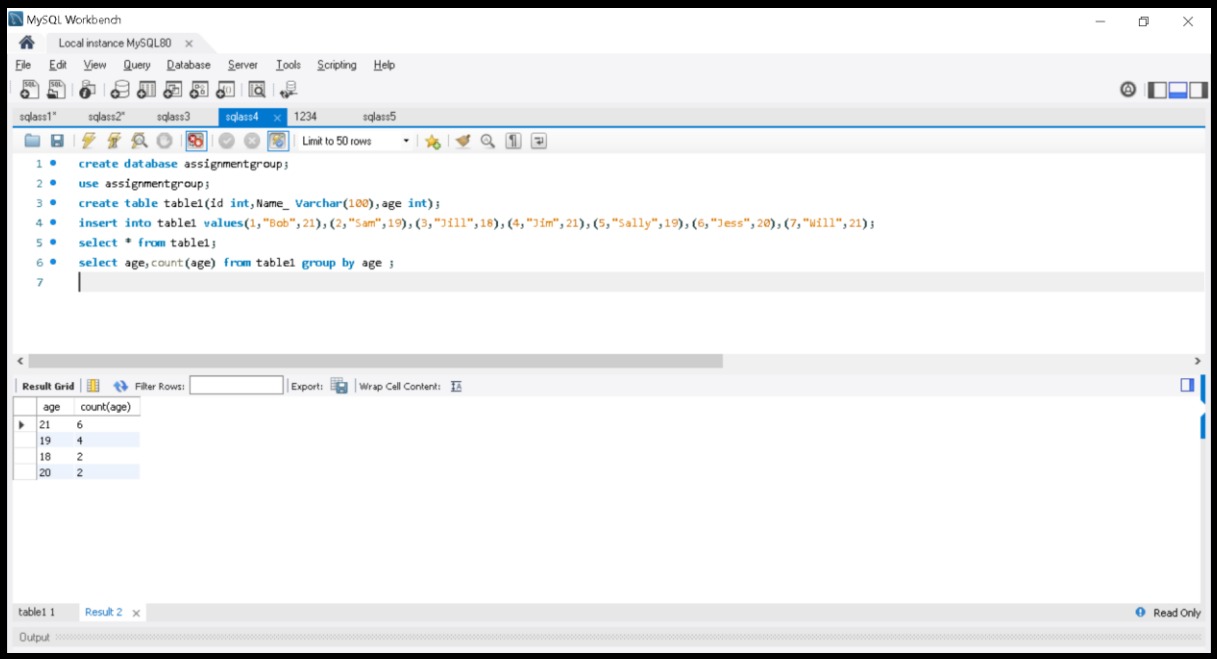
use assignmentgroup;

create table table1(id int,Name_ Varchar(100),age int);

insert into table1
values(1,"Bob",21),(2,"Sam",19),(3,"Jill",18),(4,"Jim",21),(5,"Sally",19),(6,"Jess",20),(7,"Will",21);

select * from table1;

select age,count(age) from table1 group by age ;
```



5)

5)

In this challenge, your database table is:

Division id	Year	Revenue
1	2018	60
1	2021	40
1	2020	70
2	2021	-10
3	2018	20
3	2016	40
4	2021	50

Your task is to write a query for this table that'll return just the division ids for all the divisions that had positive revenue in 2021.

```
create database assignment5;

use assignment5;

create table table2(Division_id int,Year_ int,revenue int);

insert into table2 values(1,2018,60),(1,2021,40),(1,2020,70),(2,2021,-10),(3,2018,20),(3,2016,40),(4,2021,50);

select * from table2 where revenue>=1 and year_=2021;
```