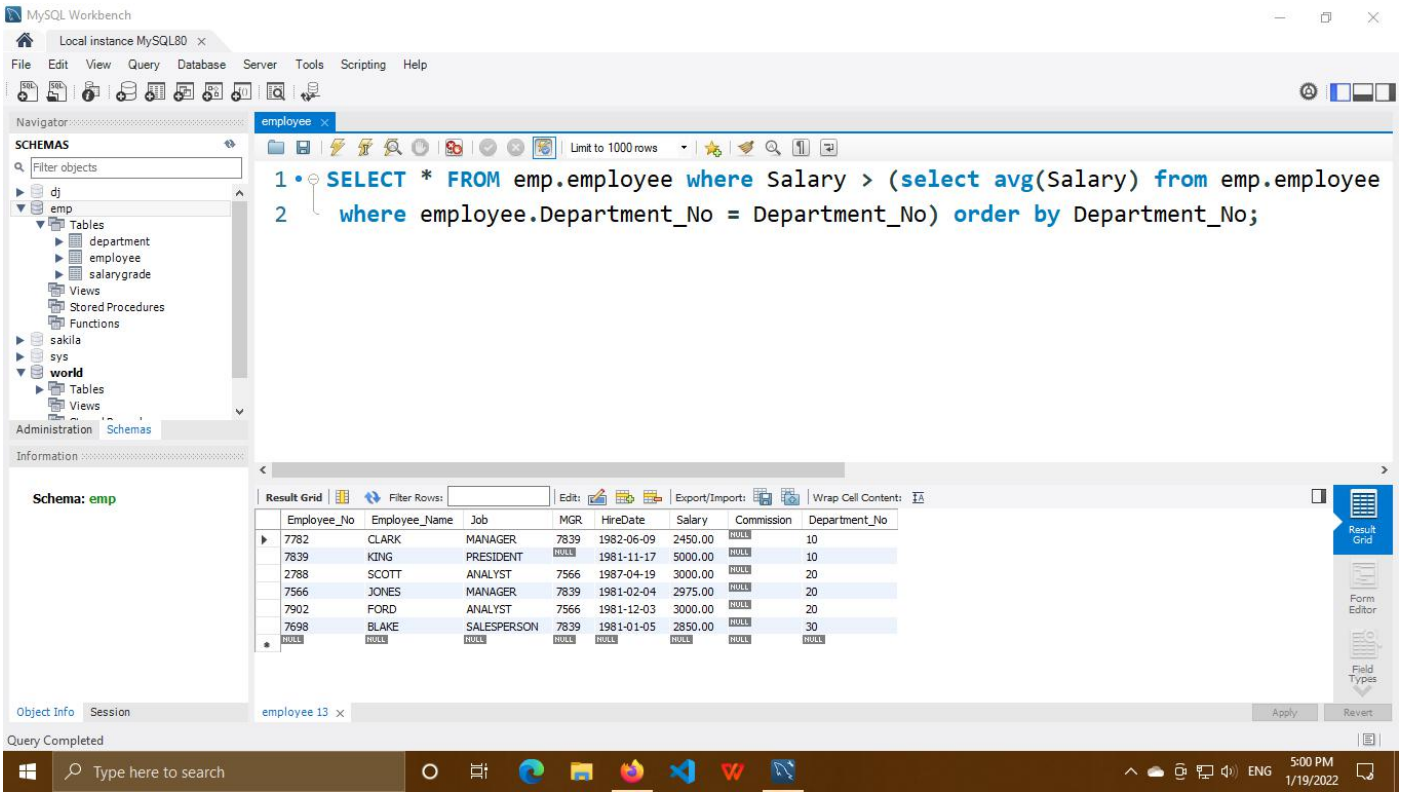
Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q1) Show the details for any employee who earns a salary greater than the average for their department. Sort in department number order.

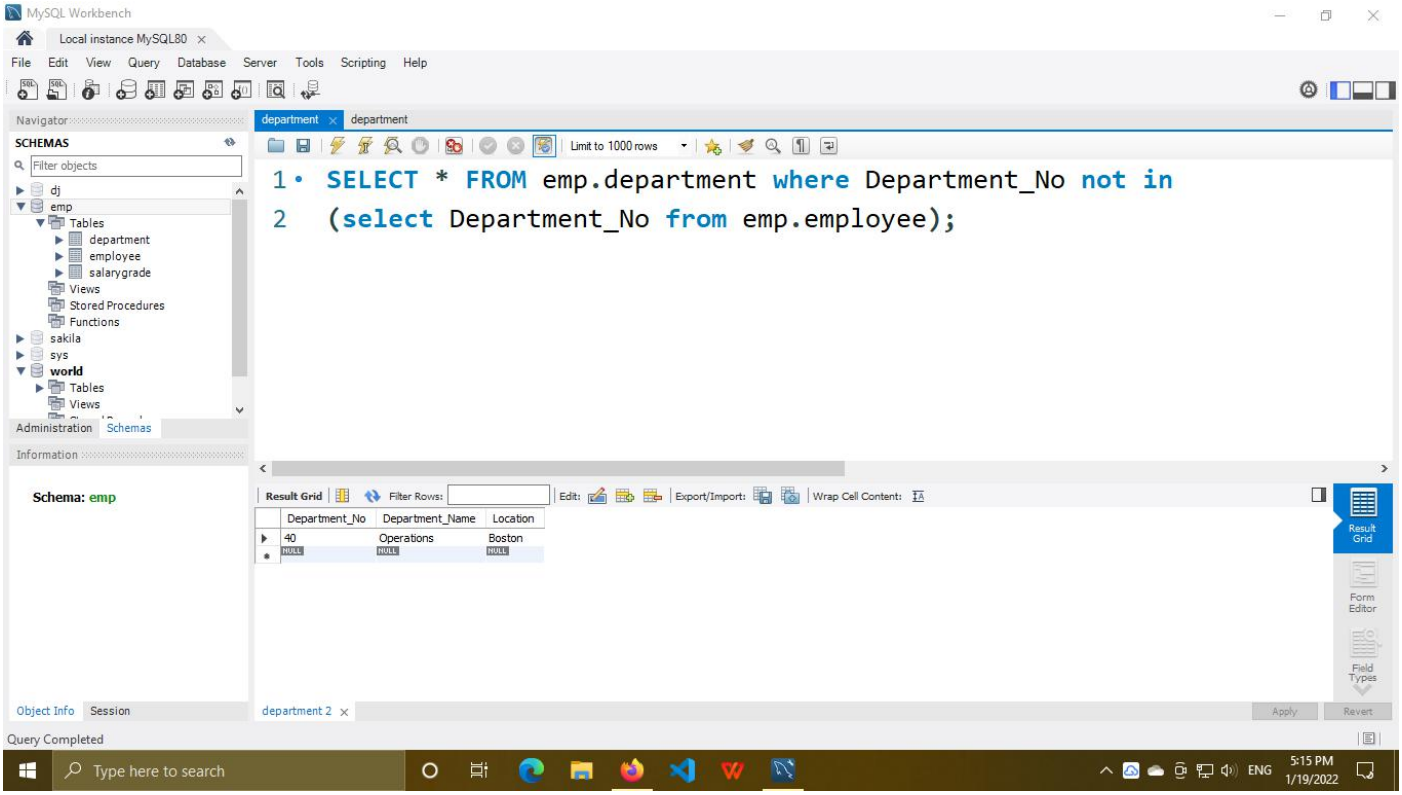
SELECT * FROM emp.employee where Salary > (select avg(Salary) from emp.employee
 where employee.Department_No = Department_No) order by Department_No;



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q2) List all the departments where there are no employees.(using a sub query)

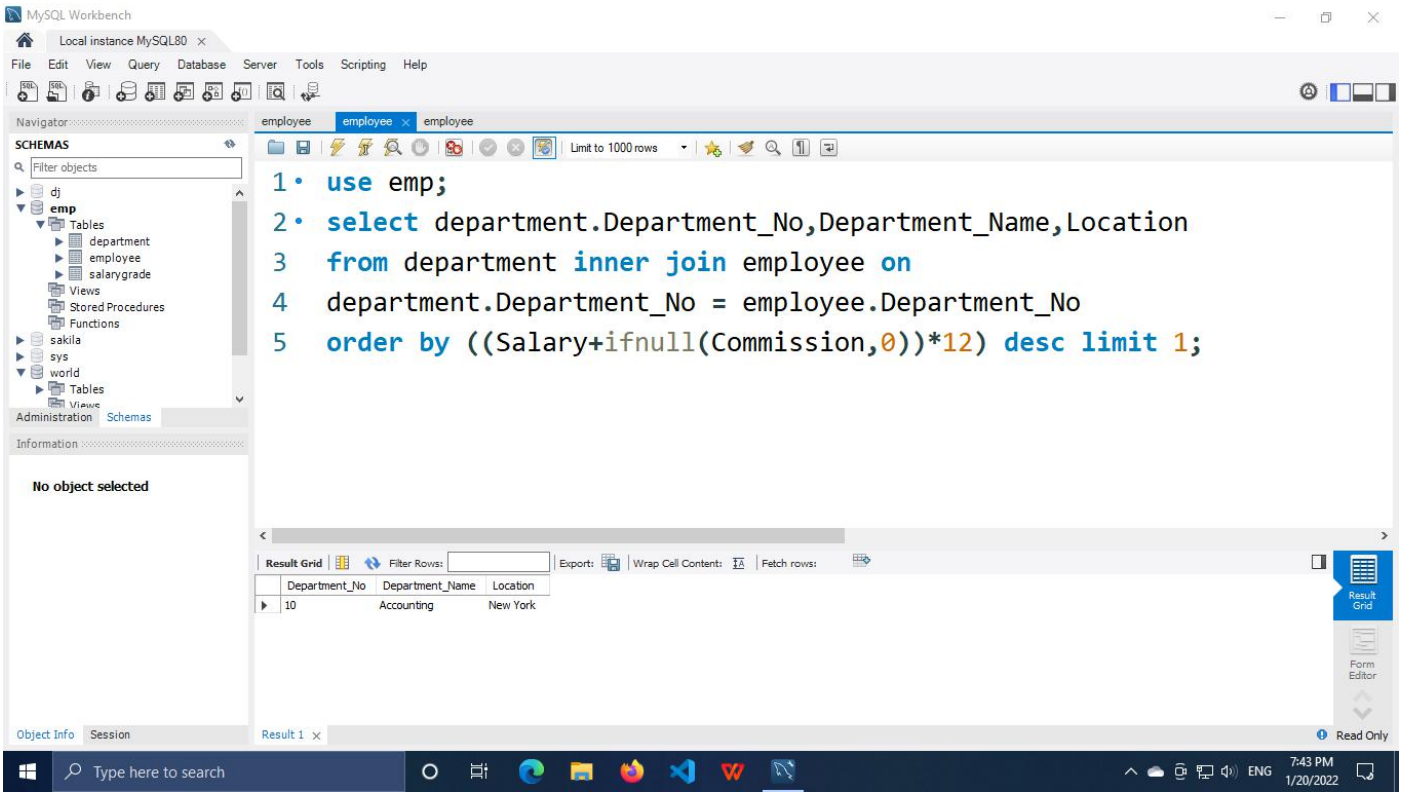
SELECT * FROM emp.department where Department_No not in
(select Department_No from emp.employee);



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q3) Display the information for the department with the highest annual remuneration.

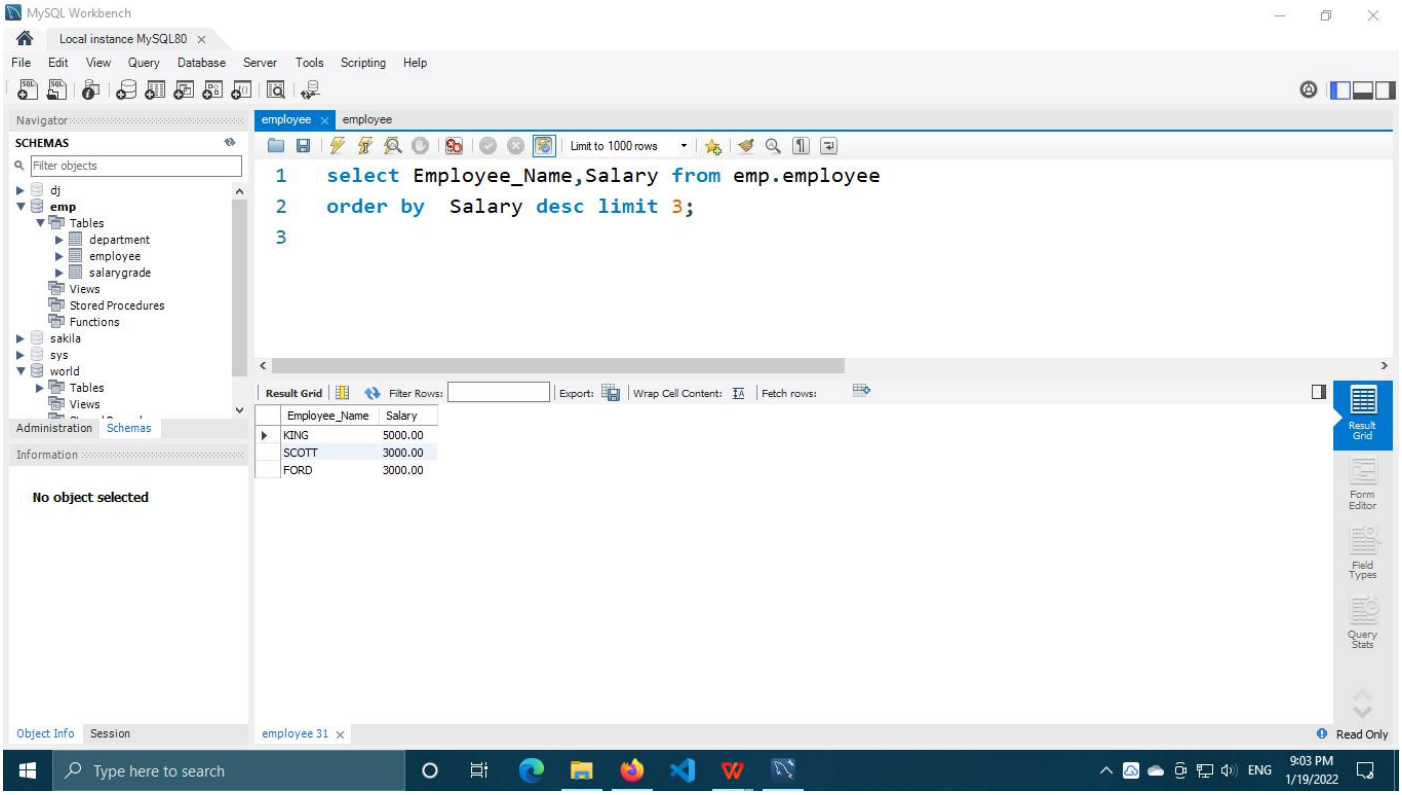
```
use emp;
select department.Department_No,Department_Name,Location
from department inner join employee on
department.Department_No = employee.Department_No
order by ((Salary+ifnull(Commission,0))*12) desc limit 1;
```



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q4) Who are the top three earners in the company? Display their name and salary.

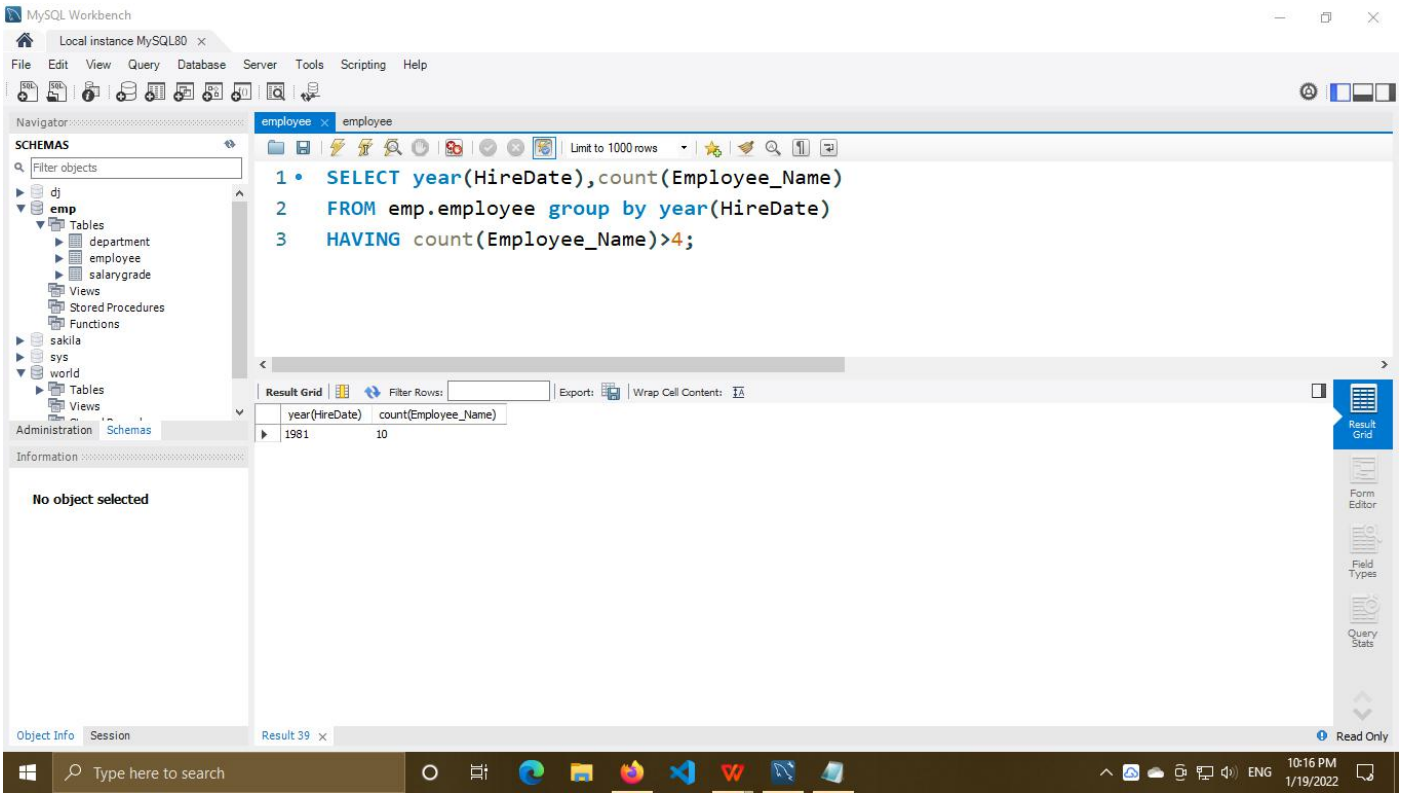
```
select Employee_Name,Salary from emp.employee
order by  Salary desc limit 3;
```



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q5) In which year did most people join the company? Display the year and number of employees.

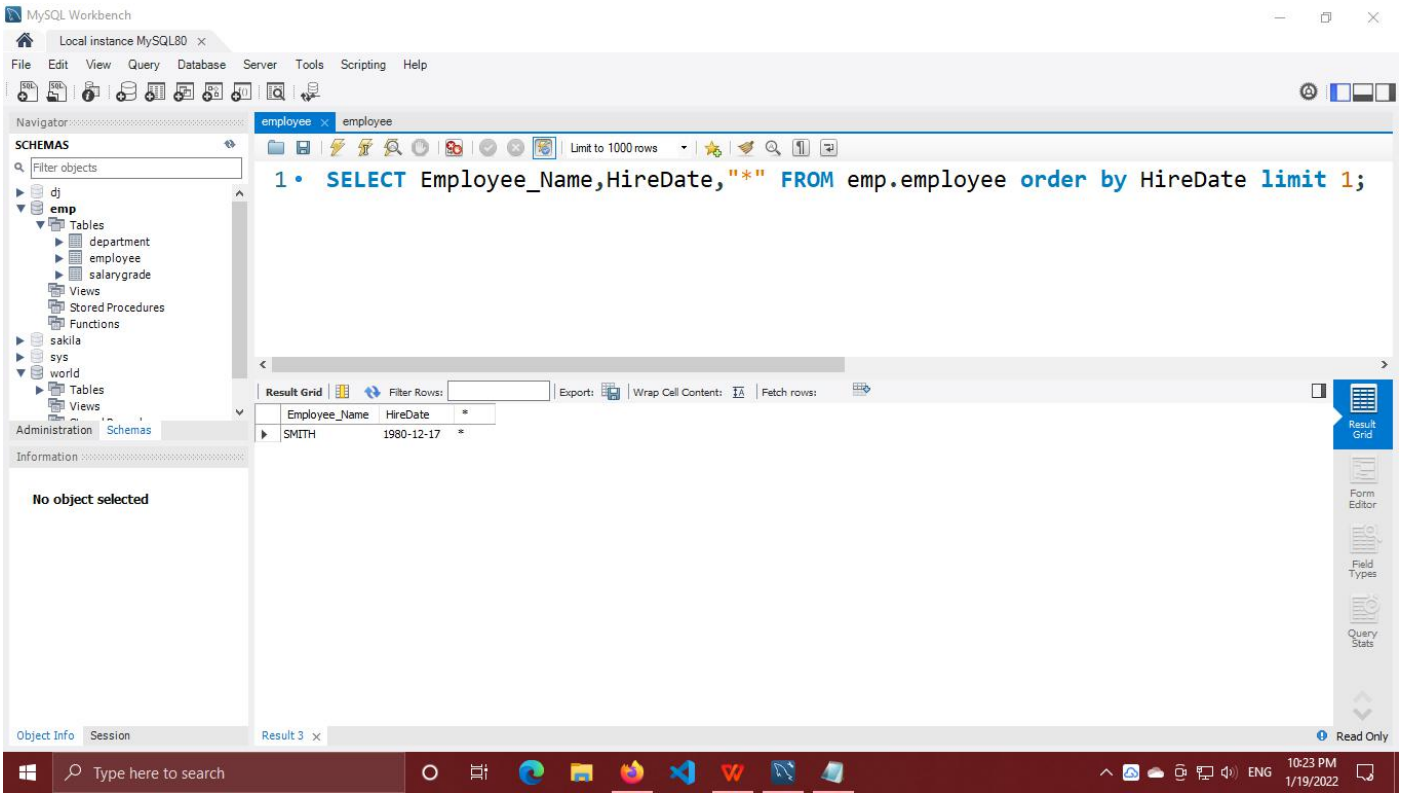
```
SELECT year(HireDate),count(Employee_Name)
FROM emp.employee group by year(HireDate)
HAVING count(Employee_Name)>4;
```



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q6) Write a query to display an '*' against the row of the most recently hired employee. Display ENAME, HIREDATE and the column showing '*'.

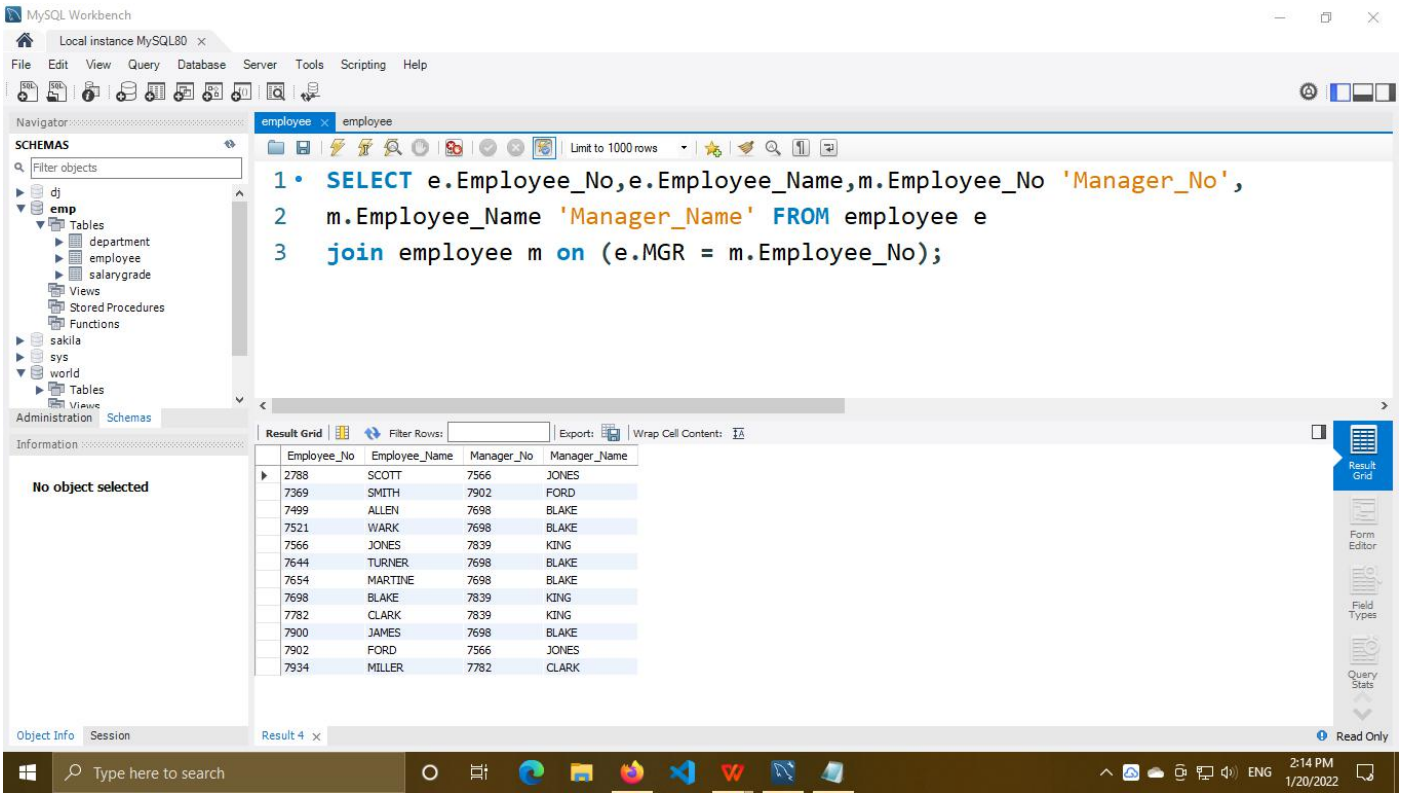
SELECT Employee_Name,HireDate,"*" FROM emp.employee order by HireDate limit 1;



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q7) List all employee names and numbers along with their manager's name and number.

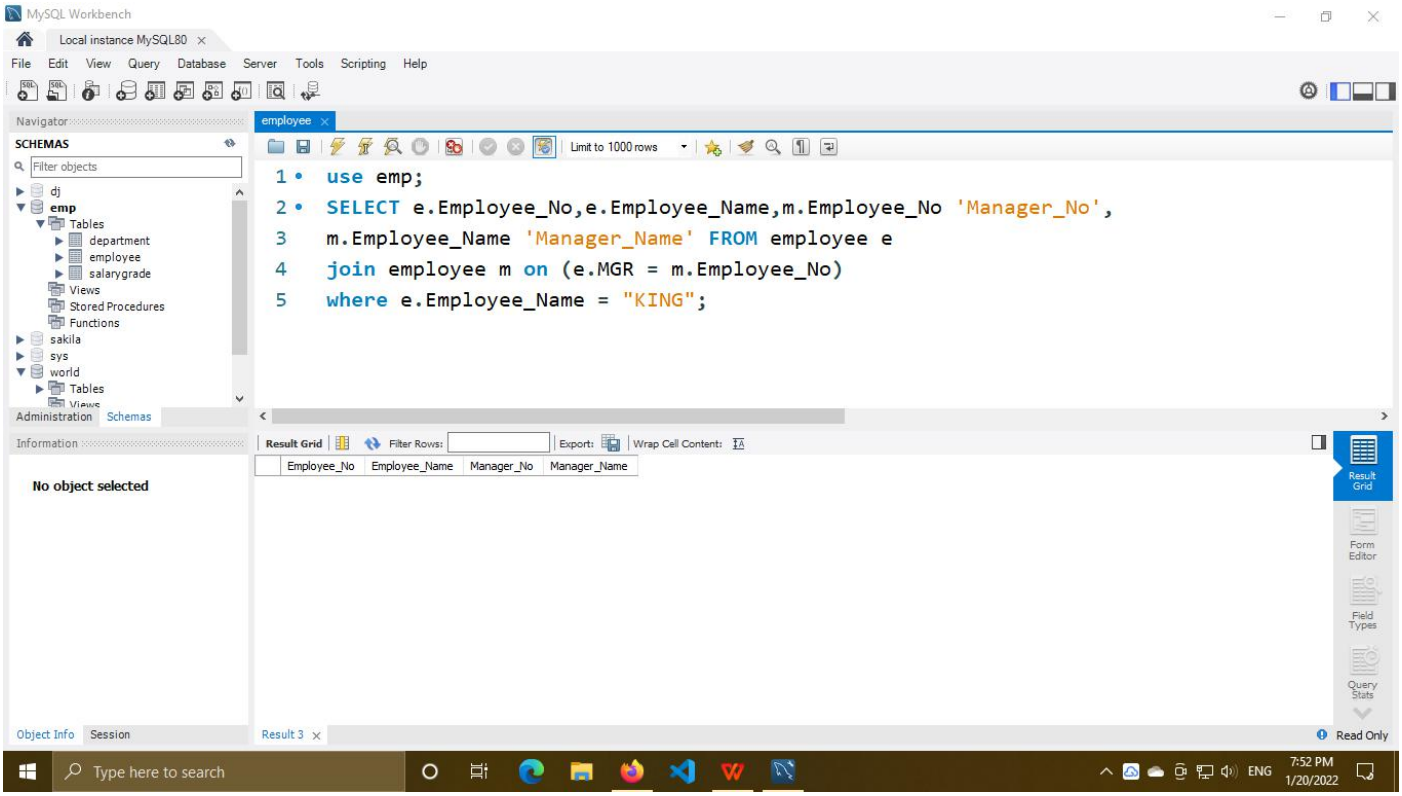
SELECT e.Employee_No,e.Employee_Name,m.Employee_No 'Manager_No', m.Employee_Name 'Manager_Name' FROM employee e
join employee m on (e.MGR = m.Employee_No);



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q8) Modify solution to question 8 to display KING who has no manager.

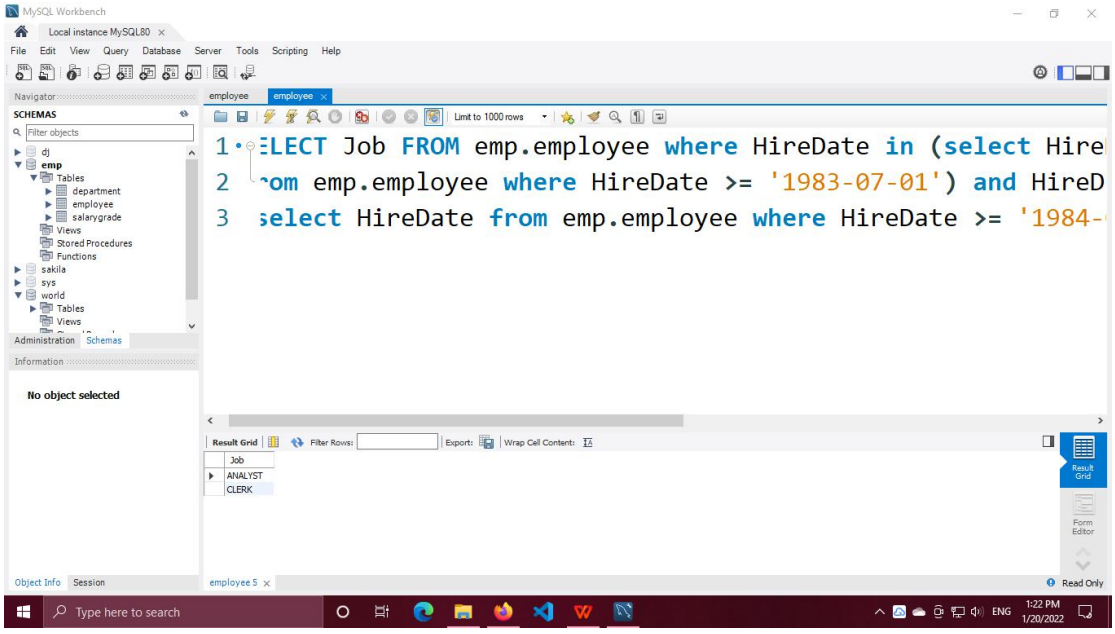
```
use emp;
SELECT e.Employee_No,e.Employee_Name,m.Employee_No 'Manager_No',
m.Employee_Name 'Manager_Name' FROM employee e
join employee m on (e.MGR = m.Employee_No)
where e.Employee_Name = "KING";
```



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q9) Find the job that was filled in the first half of 1983 and the same job that was filled during the same period in 1984.

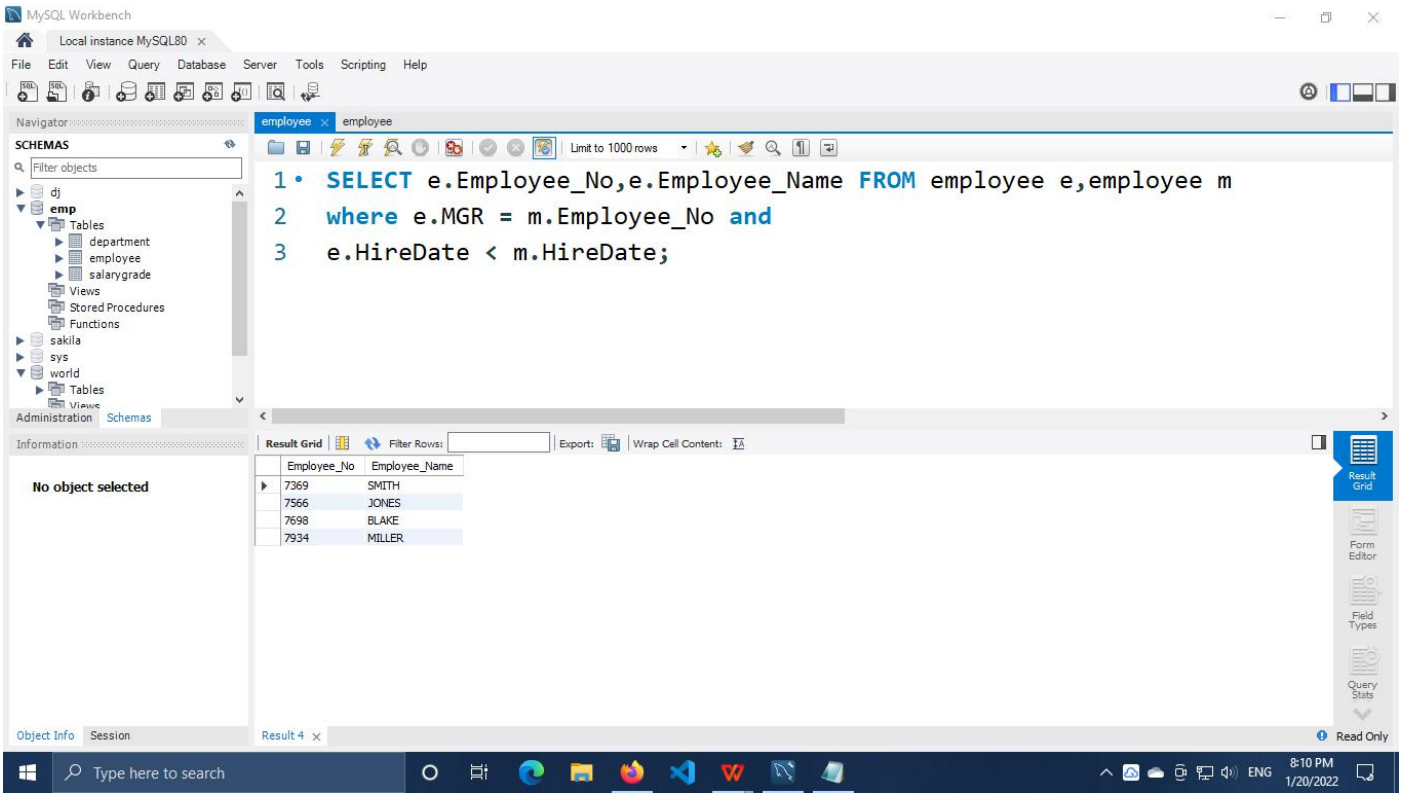
SELECT Job FROM emp.employee where HireDate in (select HireDate
from emp.employee where HireDate >= '1983-07-01') and HireDate in
(select HireDate from emp.employee where HireDate >= '1984-07-01');



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q10) Find all employees who joined the company before their manager.

SELECT e.Employee_No,e.Employee_Name FROM employee e,employee m
where e.MGR = m.Employee_No and
e.HireDate < m.HireDate;

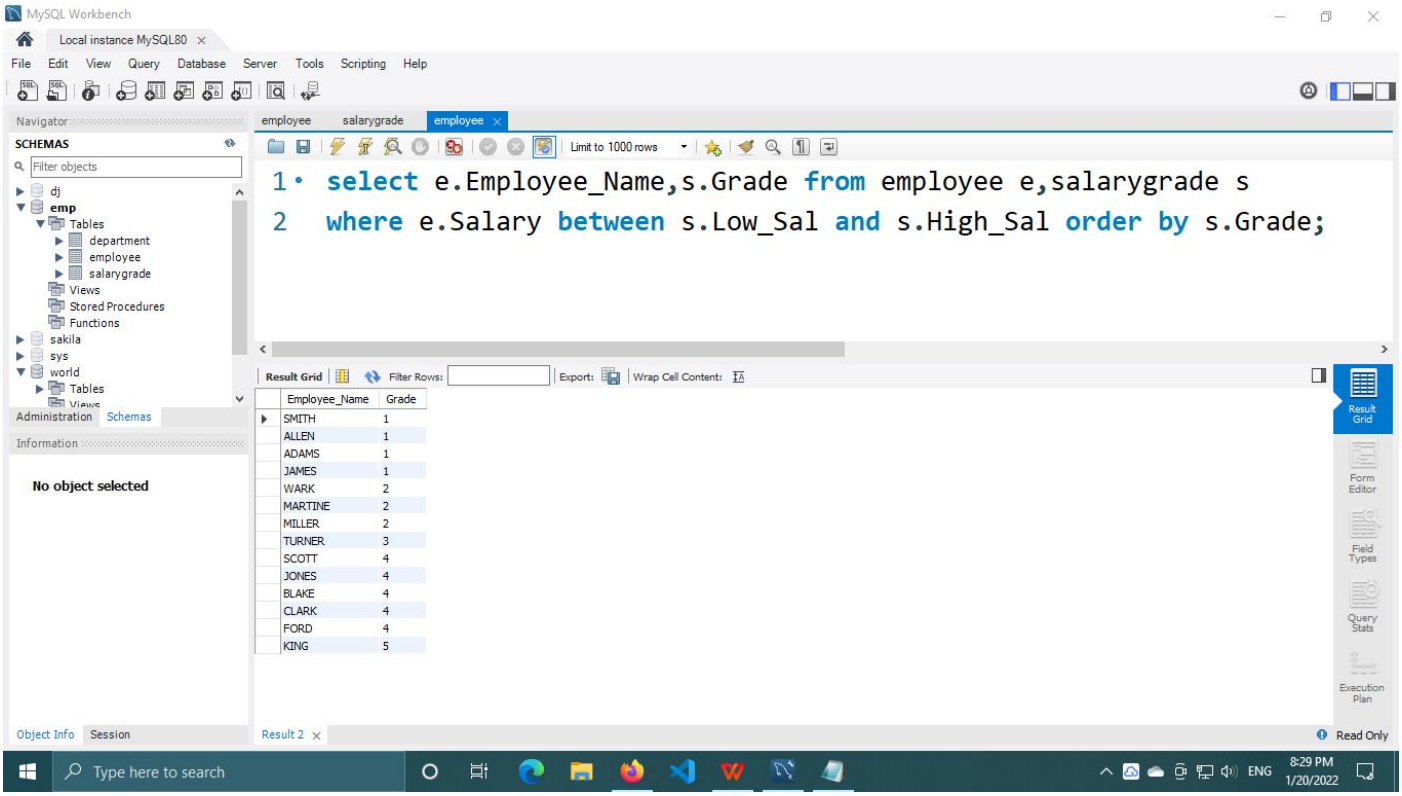


Database Technologies Assignment - 03

Rollno: 210950320034, Name: Deepankar jadhav

Q11) Produce a list showing employees names and their salary grades.

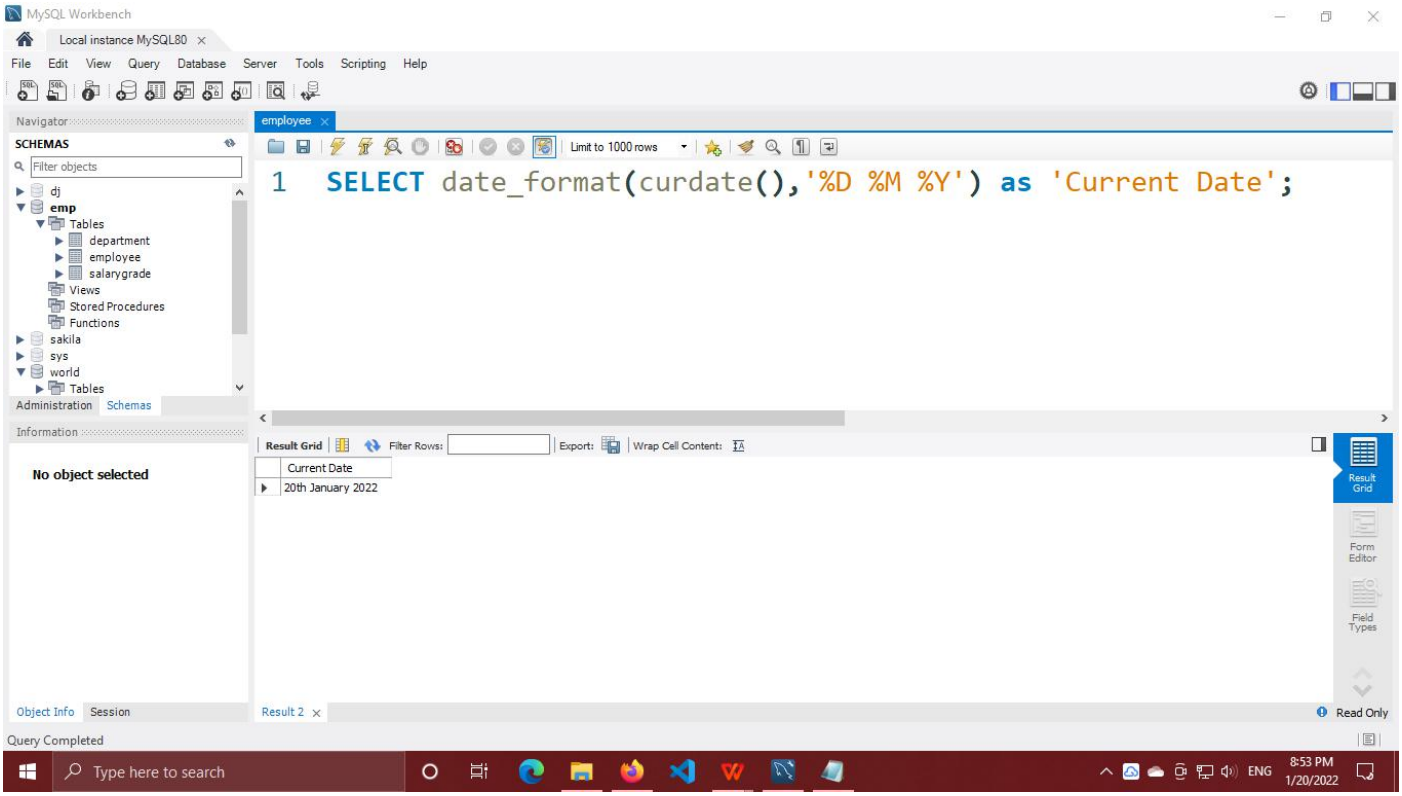
```
select e.Employee_Name,s.Grade from employee e,salarygrade s
where e.Salary between s.Low_Sal and s.High_Sal order by s.Grade;
```



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q12)Write today's date in words (e.g.: Fourteenth of March, Nineteen Hundred Forty Seven) using inbuilt functions only.

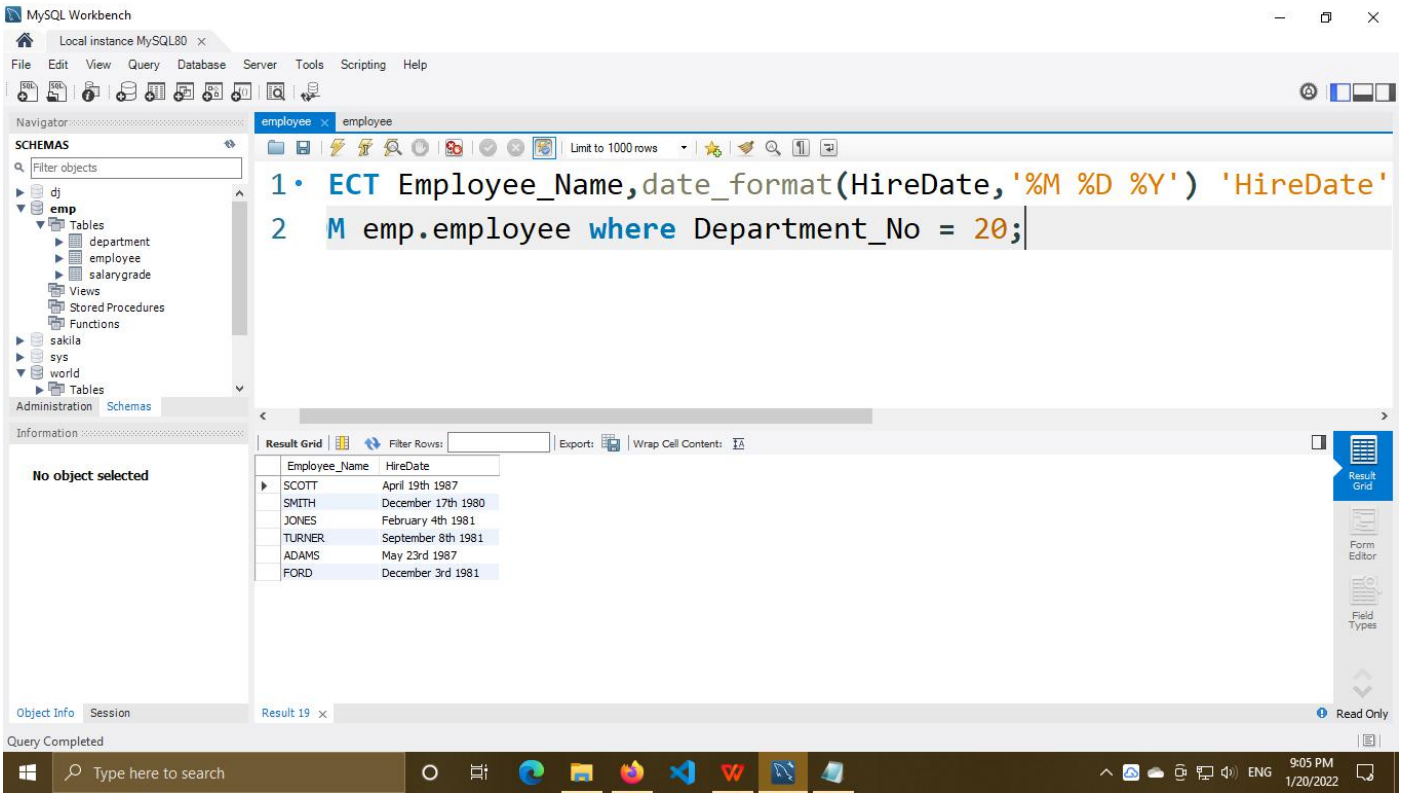
SELECT date_format(curdate(),'%D %M %Y') as 'Current Date';



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q13) Select all the employee names, hiredate whose department is 20. The format of the date should be December 20,1993 for 20-Dec-93.

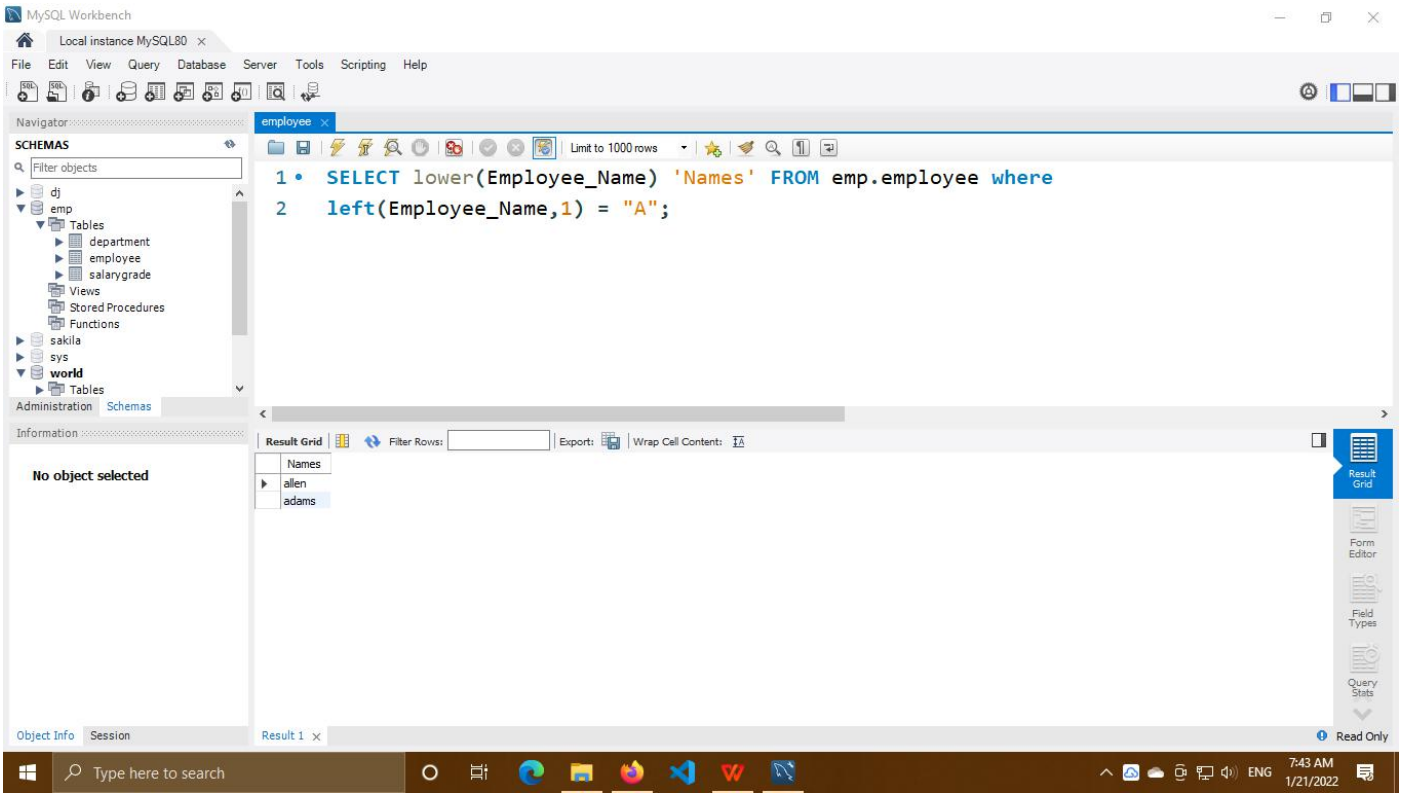
SELECT Employee_Name,date_format(HireDate,'%M %D %Y') 'HireDate' FROM emp.employee where Department_No = 20;



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q14) Change (display) all the employee names and let their names to lower case whose names start with A.

SELECT lower(Employee_Name) 'Names' FROM emp.employee where left(Employee_Name,1) = "A";



Database Technologies Assignment - 03
Rollno: 210950320034, Name: Deepankar jadhav

Q15) Change (display) all the strings containing Clerk to Clark from employees table. Dont use update.

select *,case when job = "CLERK" then "CLARK"
else Job end "NO_UPDATE" from emp.employee;