HALDIA INSTITUTE OF TECHNOLOGY
AN INSTITUTE OF ICARE
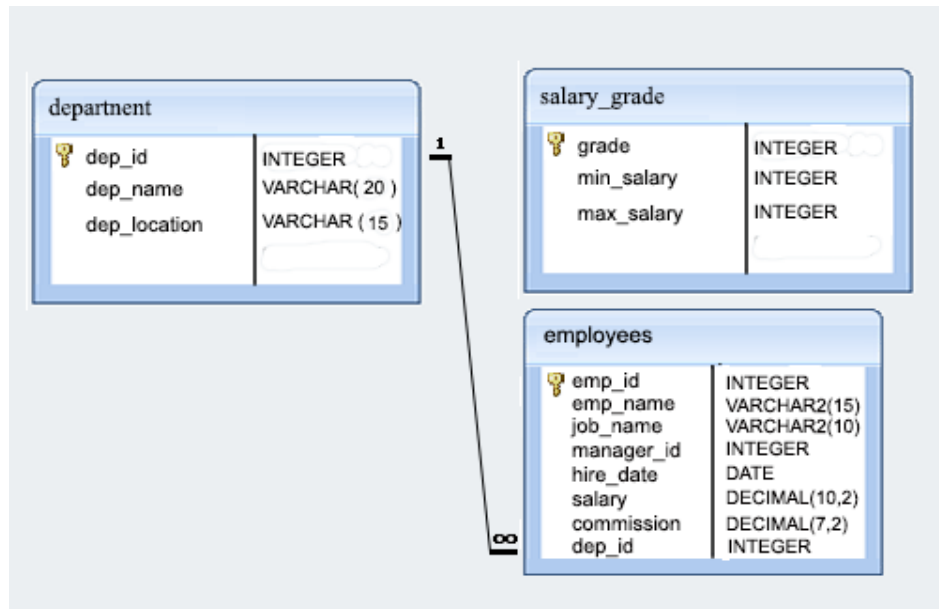
Proposal for Competition on SQL

Event Name	See-QL. (PRAYUKTI 2023)
Description	Candidates will be tested with their SQL query writing ability, to analyze results of Query, explore features of writing queries in SQL, Problem solving and data fetching ability.
Objective	SQL queries are very frequently asked in the recruitment process by mass IT recruiters. Almost 25 % of the question in PI are asked from SQL. Simple to learn and implement instantly. To create on awareness of SQL among students, its simplicity to learn and implement.
Target participants	Open to all B.Tech streams and MCA.
Syllabus	Table, View, Index and other database object creation, constraint implementation, Simple SQL Queries, JOINING, nested queries, sub queries, library functions, PL/SQL(Triggers, cursors, procedures) etc
Reference Tables	Emp, Dept, Salary_grade (Format Attached)
Question pattern and Marks distribution	Multiple choice questions, Query execution. **Preliminary round- 41 Questions, Total Marks-60, Time - 45 mins** 10 Questions- Data Definition Language.(@1 marks each) 5 Questions- Simple Query.(@1 marks each) 10 Questions – Joining.(@2 marks each) 10 Questions – Nested Query(@1 marks each) 5 Questions- Library functions(Oracle)(@1 marks each) 1 Question –PL/SQL(@10 marks each)
Process	Preliminary Round, Final Round.
Limit of Participants	Preliminary Round- 300, Final Round- 30.
Supported by	Any IT Mass recruitment Company (If sponsored)
Executed by	T & P Cell, Haldia Institute of Technology.
Submitted By	Tanmay Sinha Roy Manager- Training & Placement, Haldia Institute of Technology.

Employee Database

Emp Table

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dept_id
7369	SMITH	CLERK	7902	1993-06-13	800.00	0.00	20
7499	ALLEN	SALESMAN	7698	1998-08-15	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1996-03-26	1250.00	500.00	30
7566	JONES	MANAGER	7839	1995-10-31	2975.00		20
7698	BLAKE	MANAGER	7839	1992-06-11	2850.00		30
7782	CLARK	MANAGER	7839	1993-05-14	2450.00		10
7788	SCOTT	ANALYST	7566	1996-03-05	3000.00		20
7839	KING	PRESIDENT		1990-06-09	5000.00	0.00	10
7844	TURNER	SALESMAN	7698	1995-06-04	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1999-06-04	1100.00		20
7900	JAMES	CLERK	7698	2000-06-23	950.00		30
7934	MILLER	CLERK	7782	2000-01-21	1300.00		10
7902	FORD	ANALYST	7566	1997-12-05	3000.00		20
7654	MARTIN	SALESMAN	7698	1998-12-05	1250.00	1400.00	30

Dept Table

dept_id	dep_name	dep_location
10	Accounting	New York
20	Research	Dallas
30	Sales	Chicago
40	Operations	Boston

Salary_grade Table

grade	min_salary	max_salary
1	700.00	1200.00
2	1201.00	1400.00
4	2001.00	3000.00
5	3001.00	99999.00
3	1401.00	2000.00