Kendriya Vidyalaya Sangathan, Ahmedabad Region

Revision Worksheet -01

SQL

Subject: Computer Science

1	Which clause is used to search for NULL values in any column?
2	RDBMS stands for:
3	Rajesh a database developer at StoreIndia wants to search the record of those employees whose name starts from „R" and they have not allotted any project, for this he has writtenthe following query- **Select * from Employee where Name = 'R%' and Project=Null;** But the query is not producing the correct output. Rewrite the query after correcting the errors
4	Which clause is used to see the output of query in ascending or descending order?
5	What is the difference between Primary Key and Candidate Key?
6	Explain count () and count (*)?
7	Given the Table "BANK" with records, Give the output of given queries – NAME SACHIN RAMESH DINESH VIKAASH RAJU AMRITESH i. Select * from BANK where Name Like '%ES%'; ii. Select * from BANK where Name Like '_ _ _ _SH'

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Table : Item

ICode	IName	Price	Color	VCode
S001	Mobile Phones	30000	Silver	P01
S002	Refrigerator	20000	Cherry	P02
S003	TV	45000	Black	P03
S004	Washing Machine	12000	White	P04
S005	Air Conditioner	50000	White	P05

Table : Vendor

VCode	VName
P01	Rahul
P02	Mukesh
P03	Rohan
P04	Kapil

(i) To display ICode, IName and VName of all the vendors, who manufacture "Refrigerator".
(ii) To display IName, ICode, VName and price of all the products whose price >=23000
(iii) To display Vname and IName manufactured by vendor whose code is "P04".

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Consider the following tables EMP and SALGRADE, write the query for (i) to (vi) and output for (vii) to (x)

TABLE: EMPLOYEE

ECODE	NAME	DESIG	SGRADE	DOJ	DOB
101	Vikrant	Executive	S03	2003-03-23	1980-01-13
102	Ravi	Head-IT	S02	2010-02-12	1987-07-22
103	John Cena	Receptionist	S03	2009-06-24	1983-02-24
105	Azhar Ansari	GM	S02	2009-08-11	1984-03-03
108	Priyam Sen	CEO	S01	2004-12-29	1982-01-19

TABLE: SALGRADE

S01	56000	18000
S02	32000	12000
S03	24000	8000

(i) To display details of all employee in descending order of their DOJ
(ii) To display NAME AND DESIG of those employees whose sgrade is either „S02" or „S03"
(iii) To display NAME, DESIG, SGRADE of those employee who joined in the year 2009
(iv) To display all SGRADE, ANNUAL_SALARY from table SALGRADE [where ANNUAL_SALARY = SALARY*12]
(v) To display number of employee working in each SALGRADE from table EMPLOYEE
(vi) To display NAME, DESIG, SALARY, HRA from tables EMPLOYEE and SALGRADE where SALARY is less than 50000
(vii) Select MIN(DOJ), MAX(DOB) from employee;
(viii) Select SGrade,Salary+HRA from SalGrade where Sgrade="S02"
(ix) Select count(distinct sgrade) from employee
(x) Select sum(salary), avg(salary) from salgrade