

# BAANS CONSULTING SERVICES

## Job Interview

1. The Pincode column of table 'Post' is given below-

100001

1200012

1300013

1600017

1800018

Write SQL query to list all Pincode ending with 1 or 7.

2. There is column CI in a table TI. The following two statements: select count(\*) from T1; and select count(CI) from TI: are giving different output. What may be the possible reason?
3. Sanghi created two tables with City as Primary Key in Table 1 and Foreign key in Table2 while inserting row in Table 2 Mr Sanghi is not able to enter value in the column City. What is the possible reason for it?\*

image 1

ItemNo	Item	Dcode	Qty	UnitPrice	StockDate
5005	Ball Pen 0.5	102	100	16	2011-03-31
5003	Ball Pen 0.25	102	150	20	2010-01-01
5002	Gel Pen Premium	101	125	14	2010-02-14
5006	Gel Pen Classic	101	200	22	2009-01-09
5001	Eraser Small	102	210	5	2009-03-19
5004	Eraser Big	102	60	10	2010-12-12
5009	Sharpener Classic	103	160	8	2010-01-23

image 2

Dcode	DName
101	Reliable Stationers
103	Class Plastics
104	Fair Deals
102	Clear Deals

4. Identify primary key and foreign key in the tables given above in image 1 and 2
5. From the image 1 and 2 write a SQL query to display Dcode, Dname from Dealer table and Item, UnitPrice from Stock table of all the dealers.

image 4

ECODE	NAME	DESIG	SGRADE	DOJ	DOB
101	Abdul Ahmad	EXECUTIVE	S03	23-Mar-2003	13-Jan-1980
102	Ravi Chander	HEAD-IT	S02	12-Feb-2010	22-Jul-1987
103	John Ken	RECEPTIONIST	S03	24-Jun-2009	24-Feb-1983
105	Nazar Ameen	GM	S02	11-Aug-2006	03-Mar-1984
108	Priyam Sen	CEO	S01	29-Dec-2004	19-Jan-1982

  

SGRADE	SALARY	HRA
S01	56000	18000
S02	32000	12000
S03	24000	8000

6. Consider the tables EMPLOYEE and SALGRADE given above in image 4, answer the following questions.

(a) Write SQL commands for the following statements:

- (i) To display the details of all EMPLOYEES in descending order of DOJ.
- (ii) To display NAME and DESIG of those EMPLOYEES whose SALGRADE is either S02 or S03.
- (iii) To display the content of the entire EMPLOYEES table, whose DOJ is in between '09-Feb-2006' and '08-Aug-2009'.
- (iv) To add a new row with the following content: 109, Harish Roy', 'HEAD-IT', 'S02', '9-Sep-2007', '21-Apr-1983'
- (v) To display the total HRA of employees based on SGRADE.

7. Create a sql table structure

1. Department with fields Department ID, Department Name
2. Employee with fields Employee id, Name, Salary, City and Department ID
3. Create a foreign key relationship between above 2 tables
4. Insert 2 rows in each table