Big Data Tools for Managers

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Below is the employee dataset; this exercise makes you familiar with creating table with various data types in MySQL.

Emp_Code	EmpFName	EmpLName	Job	HireDate	Salary
1001	TONY	STARK	SOFTWARE ENGINEER	2019-12-17	55000
1002	KIM	JARVIS	MANAGER	2020-01-15	85000
1003	PAUL	TIMOTHY	PRESIDENT	2020-02-01	150000
1004	ROSE	SUMMERS	ANALYST	2021-02-28	35000
1005	MADII	HIMBURY	ANALYST	2021-04-15	32000
1006	BELLA	SWAN	TECHNICAL LEAD	2021-04-20	70000
1007	JENNIFER	HUETTE	ANALYST	2021-05-01	28000
1008	ALFRED	HILL	SALESMAN	2021-05-15	45000
1009	KIM	JARVIS	MANAGER	2022-01-15	60000
1010	JOHN	ASGHAR	SOFTWARE ENGINEER	2022-02-25	52000

Write SQL statement for following:

1. Create Table with appropriate column names and data type
2. Insert the records by looking column & it's date type
3. Select Employee First name and display the results
4. Select Employee First name & Job position and display the results
5. Display Unique Job position and display the result
6. Display Unique value of employee first name and display the result
7. Display Unique value of employee first name & Job position and display the result.

1. Create Table with appropriate column names and data type

```
CREATE TABLE employee (
        Emp_Code      SMALLINT,
        EmpFName      VARCHAR(15),
        EmpLName      VARCHAR(15),
        Job           VARCHAR(45),
        HireDate      DATE,
        Salary        INT
);
```

2. Insert the records by looking column & it's date type

```
INSERT INTO employee VALUES ('1001', 'TONY', 'STARK', 'SOFTWARE ENGINEER', '2019-12-17', 55000);
INSERT INTO employee VALUES ('1002', 'KIM', 'JARVIS', 'MANAGER', '2020-01-15', 85000);
INSERT INTO employee VALUES ('1003', 'PAUL', 'TIMOTHY', 'PRESIDENT', '2020-02-01', 150000);
INSERT INTO employee VALUES ('1004', 'ROSE', 'SUMMERS', 'ANALYST', '2021-02-28', 35000);
INSERT INTO employee VALUES ('1005', 'MADII', 'HIMBURY', 'ANALYST', '2021-04-15', 32000);
INSERT INTO employee VALUES ('1006', 'BELLA', 'SWAN', 'TECHNICAL LEAD', '2021-04-20', 70000);
INSERT INTO employee VALUES ('1007', 'JENNIFER', 'HUETTE', 'ANALYST', '2021-05-01', 28000);
INSERT INTO employee VALUES ('1008', 'ALFRED', 'HILL', 'SALESMAN', '2021-05-15', 45000);
INSERT INTO employee VALUES ('1009', 'KIM', 'JARVIS', 'MANAGER', '2022-01-15', 60000);
INSERT INTO employee VALUES ('1010', 'JOHN', 'ASGHAR', 'SOFTWARE ENGINEER', '2022-02-25', 52000);
```

3. Select Employee First name and display the results

```
SELECT    EmpFName FROM employee;
```

4. Select Employee First name & Job position and display the results

```
SELECT    EmpFName, Job FROM employee;
```

5. Display Unique Job position and display the result

```
SELECT   DISTINCT Job FROM employee;
```

6. Display Unique value of employee first name and display the result

```
SELECT   DISTINCT EmpFName FROM employee;
```

7. Display Unique value of employee first name & Job position and display the result.

```
SELECT   DISTINCT EmpFName, Job FROM employee
```