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SQL Interview Questions on "SQL Table Scripts"

71. Write create table syntax for employee table

```
Oracle -CREATE TABLE EMPLOYEE (  
    EMPLOYEE_ID NUMBER,  
    FIRST_NAME VARCHAR2(20 BYTE),  
    LAST_NAME VARCHAR2(20 BYTE),  
    SALARY FLOAT(126),  
    JOINING_DATE TIMESTAMP (6) DEFAULT sysdate,  
    DEPARTMENT VARCHAR2(30 BYTE) )  
  
SQL Server -CREATE TABLE EMPLOYEE(  
    EMPLOYEE_ID int NOT NULL,  
    FIRST_NAME varchar(50) NULL,  
    LAST_NAME varchar(50) NULL,
```

```
SALARY decimal(18, 0) NULL,  
JOINING_DATE datetime2(7) default getdate(),  
DEPARTMENT varchar(50) NULL)
```

72. Write syntax to delete table employee



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```
DROP table employee;
```

73. Write syntax to set EMPLOYEE_ID as primary key in employee table

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```
ALTER TABLE EMPLOYEE add CONSTRAINT EMPLOYEE_PK PRIMARY  
KEY(EMPLOYEE_ID)
```

74. Write syntax to set 2 fields(EMPLOYEE_ID,FIRST_NAME) as primary key in employee table

```
ALTER TABLE EMPLOYEE add CONSTRAINT EMPLOYEE_PK PRIMARY  
KEY(EMPLOYEE_ID,FIRST_NAME)
```

75. Write syntax to drop primary key on employee table

```
Alter TABLE EMPLOYEE drop CONSTRAINT EMPLOYEE_PK;
```

76. Write Sql Syntax to create EMPLOYEE_REF_ID in INCENTIVES table as foreign key with respect to EMPLOYEE_ID in employee table

```
ALTER TABLE INCENTIVES ADD CONSTRAINT INCENTIVES_FK FOREIGN  
KEY (EMPLOYEE_REF_ID) REFERENCES EMPLOYEE(EMPLOYEE_ID)
```

77. Write SQL to drop foreign key on employee table

```
ALTER TABLE INCENTIVES drop CONSTRAINT INCENTIVES_FK;
```

78. Write SQL to create Oracle Sequence

```
CREATE SEQUENCE EMPLOYEE_ID_SEQ START WITH 0 NOMAXVALUE  
MINVALUE 0 NOCYCLE NOCACHE NOORDER;
```

79. Write Sql syntax to create Oracle Trigger before insert of each row in employee table

```
CREATE OR REPLACE TRIGGER EMPLOYEE_ROW_ID_TRIGGER
BEFORE INSERT ON EMPLOYEE FOR EACH ROW

DECLARE

seq_no number(12);

BEGIN

select EMPLOYEE_ID_SEQ.nextval into seq_no from dual ;

:new EMPLOYEE_ID :=seq_no;

END;

SHOW ERRORS;
```

80. Oracle Procedure81. Oracle View

An example oracle view script is given below

```
create view Employee_Incentive as select

FIRST_NAME,max(INCENTIVE_AMOUNT) INCENTIVE_AMOUNT from

EMPLOYEE a, INCENTIVES b where a.EMPLOYEE_ID=b.EMPLOYEE_REF_ID

group by FIRST_NAME
```

82. Oracle materialized view - Daily Auto Refresh

```
CREATE MATERIALIZED VIEW Employee_Incentive  
  
REFRESH COMPLETE  
  
START WITH SYSDATE  
  
NEXT SYSDATE + 1 AS  
  
select FIRST_NAME, INCENTIVE_DATE, INCENTIVE_AMOUNT from  
  
EMPLOYEE a, INCENTIVES b  
  
where a.EMPLOYEE_ID=b.EMPLOYEE_REF_ID
```

83. Oracle materialized view - Fast Refresh on Commit

Create materialized view log for fast refresh. Following materialized view script wont get executed if materialized view log doesn't exists

```
CREATE MATERIALIZED VIEW MAT_Employee_Incentive_Refresh  
  
BUILD IMMEDIATE  
  
REFRESH FAST ON COMMIT AS  
  
select FIRST_NAME, max(INCENTIVE_AMOUNT) from EMPLOYEE a,  
  
INCENTIVES b  
  
where a.EMPLOYEE_ID=b.EMPLOYEE_REF_ID group by FIRST_NAME
```

84. What is SQL Injection ?

SQL Injection is one of the the techniques uses by hackers to hack a website by injecting SQL commands in data fields.

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