

(5) View, Sequence and Synonym

AIM

To create a view, sequence and synonym from a table.

MATERIALS REQUIRED

APEX

PROCEDURE

- Create a table
- Create a view from the table.
- Create a sequence.
- Create a Synonym.

SQL commands

To create a table

```
Create table employee (  
    empID int,  
    empname varchar(20),  
    depID number,  
    salary varchar(20)  
);
```

Insert values

- insert into employee
values (101, 'jai', 242, 45000);
- insert into employee
values (102, 'Tejari', 243, 60000);
- insert into employee
values (103, 'Surya', 244, 70000);

select * from employee

empID	empName	deptID	Salary
101	fai	242	45000
102	jevi	243	60000
103	surya	244	80000

creating view

create view employees as
select empname, salary
from employee
where deptID = 242

empname	salary
fai	45000
jevi	60000
surya	80000

To create a synonym

create synonym emp for employee
select * from emp
where salary >= 70000;

empID	empname	deptID	Salary
103	surya	244	80000

sequence

create sequence stud_seq
start with 12
increment by 1
No cache
no cycle;


```
Create table student (  
    stud-id number,  
    name varchar(30),  
    dept varchar(20)  
);
```

- insert into student
values (stud-seq.nextval, 'jivi', 'AI&DS');
- insert into student
values (stud-seq.nextval, 'jai', 'CS');
- insert into student
values (stud-seq.nextval, 'surya', 'EEE');

displaying

```
select * from student
```

stud-id	name	dept
01	jai	AI&DS
02	jivi	CS
03	surya	EEE

Result

View, sequence and Synonym has been created using employee and student table.