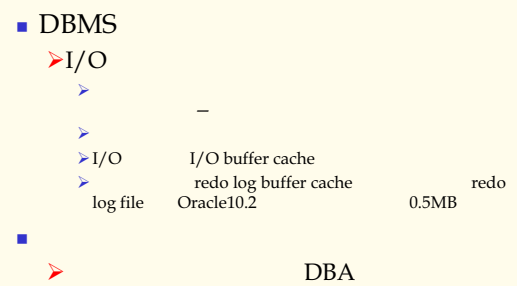


8.1

- **Prevalence** – the proportion of the population with a disease at a particular point in time
- **Incidence** – the proportion of the population that develops a disease over a period of time
- **Prevalence** = **Incidence** x **Duration**
- **Prevalence** = **Incidence** x **Survival**

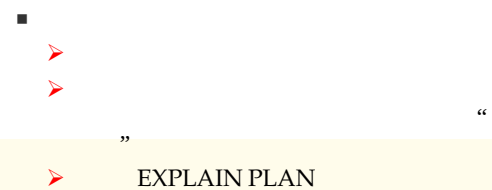
2

8.2

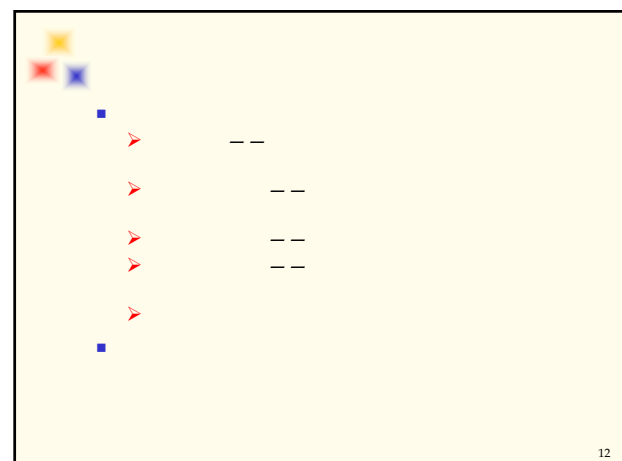
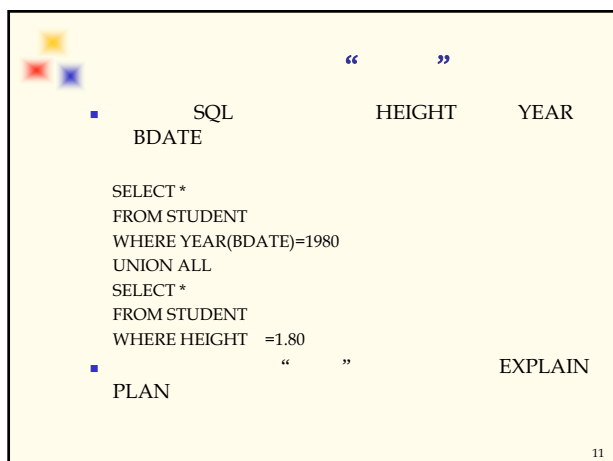
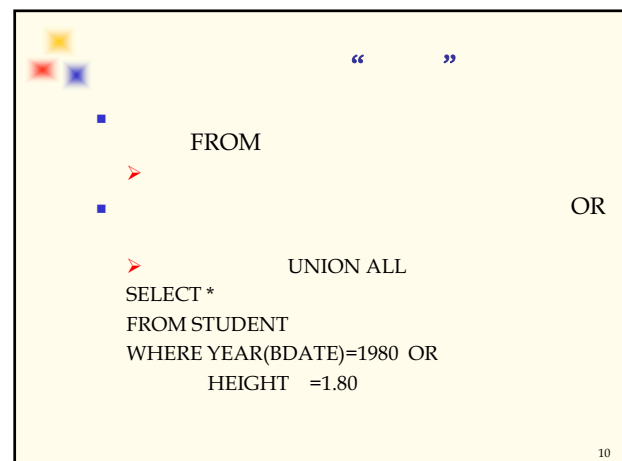
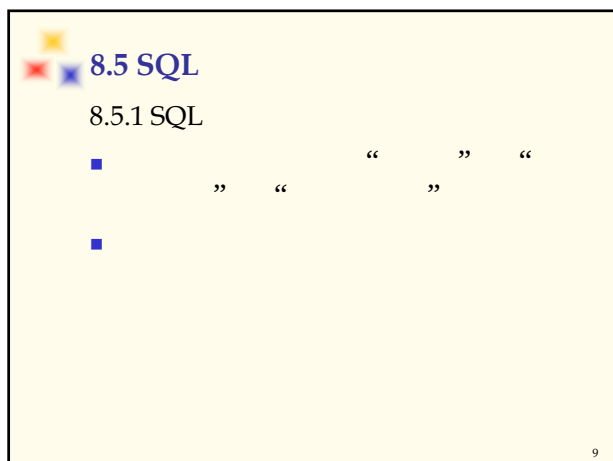
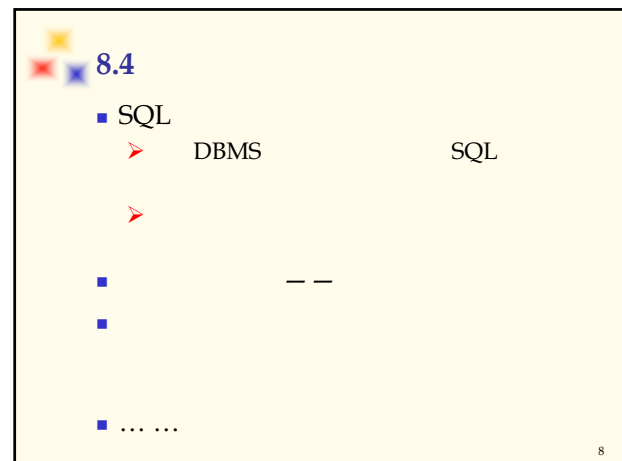
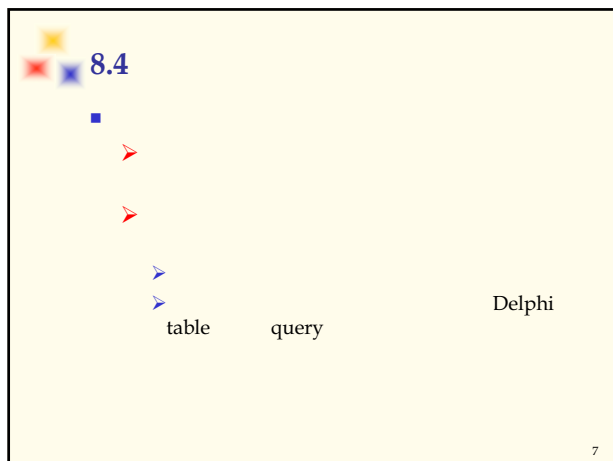


4

8.4



6





```

SELECT /*+FIRST_ROW 3
          3 FULL S S */
SNAME HEIGHT
FROM STUDENTS
WHERE SEX=' '

```

13



```

SELECT /*+INDEX EMP EMP_EDNO_IX */
ENO ENAME
FROM EMP
WHERE EDNO=100

```

14



```

SELECT /*+ USE_NL_WITH_INDEX E
          EMP_ENO_IX */
D.DND D.MENO E.ENAME
FROM DEPT D EMP E
WHERE D.MENO=E.ENO;

```

15



8.5.2 SQL

- SQL

SQL

- SQL
DBMS

16



8.5.2 SQL

1.

- DISTINCT
- UNION INTERSECTION EXCEPT
- MINUS
- GROUP BY ORDER BY
-
-

17



8.5.2 SQL

2.

- WHERE
 - HAVING
 -
- ```

SELECT C.CNO AVG SC.GRADE MAX
SC.GRADE
FROM SC COURSE C
WHERE C.CNO=SC.CNO
GROUP BY C.CNO
HAVING C.CNO='CS%'

```

18

8.5.2 SQL

>

SELECT C.CNO AVG SCGRADE MAX  
SC.GRADE  
FROM SC COURSE C  
WHERE C.CNO='CS%' AND C.CNO=SC.CNO  
GROUP BY C.CNO

>

>

>

FROM

19

8.5.2 SQL

3.

>

INSERT  
Oracle SQL\*Loader

4.

>

EXISTS IN  
IN EXISTS

5.

>

>

FROM

20

8.5.2 SQL

6.

>

NULL" " " IS

SQL

"

21

8.6

3

" "

session

22

--

CPU

--

23

--

I/O CPU

--

wait events --

24



history sampling

Oracle 10g

session

(Active Session History)

1 ASH

Automatic Workload Repository

Oracle ASH AWR

ASH

ASH

AWR

AWR

25



Oracle ADDM Automatic Database Diagnostic Monitor

AWR

1. tablespace 97% AWR

2. ADDM AWR

advisor

DBA

26



3.

SQL

Oracle

SQL

4. areas “ ” non-problem

5. - -

27



DBMS

DBA

28

