### Task1

'Commentaries', 'Deleted

```
-- Task1.1
ALTER TABLE actor ADD CONSTRAINT PK_ACTORID PRIMARY KEY (actor_id);
/*
Question: Which constraints in Table 1 have been created on these six tables?
 primary key and foreign key
-- Task1.2
ALTER TABLE actor ADD CONSTRAINT PK ACTORID PRIMARY KEY (actor id);
ALTER TABLE film ADD CONSTRAINT PK_FILMID PRIMARY KEY (film_id);
ALTER TABLE film_actor ADD CONSTRAINT FK_FILMID1 FOREIGN KEY (film_id) REFERENCES
film:
ALTER TABLE category ADD CONSTRAINT PK_CATEGORYID PRIMARY KEY (category_id );
ALTER TABLE language ADD CONSTRAINT PK_LANGUAGEID PRIMARY KEY (language_id );
ALTER TABLE film ADD CONSTRAINT UN_DESCRIPTION UNIQUE(description);
ALTER TABLE actor ADD CONSTRAINT CK_FNAME CHECK (first_name IS NOT NULL);
ALTER TABLE actor ADD CONSTRAINT CK_LNAME CHECK (last_name IS NOT NULL);
ALTER TABLE category ADD CONSTRAINT CK_CATNAME CHECK (name IS NOT NULL);
ALTER TABLE language ADD CONSTRAINT CK_LANNAME CHECK (name IS NOT NULL);
ALTER TABLE film ADD CONSTRAINT CK_TITLE CHECK (title IS NOT NULL);
ALTER TABLE film ADD CONSTRAINT CK_RELEASEYR CHECK (release_year<=2020);
ALTER TABLE film ADD CONSTRAINT CK_RATING CHECK (rating IN('G', 'PG', 'PG-13', 'R', 'NC-
17'));
ALTER TABLE film ADD CONSTRAINT CK SPLFEATURES CHECK (special_features IN(null,
'Trailers',
```

Scenes', 'Behind the Scenes'));

ALTER TABLE film ADD CONSTRAINT FK\_LANGUAGEID FOREIGN KEY (language\_id) REFERENCES language\_id);

ALTER TABLE film ADD CONSTRAINT FK\_ORLANGUAGEID FOREIGN KEY (original\_language\_id); REFERENCES language\_id);

ALTER TABLE film\_actor ADD CONSTRAINT FK\_ACTORID FOREIGN KEY (actor\_id ) REFERENCES actor(actor\_id);

ALTER TABLE film\_category ADD CONSTRAINT FK\_CATEGORYID FOREIGN KEY (category\_id ) REFERENCES category(category\_id);

ALTER TABLE film\_category ADD CONSTRAINT FK\_FILMID2 FOREIGN KEY (film\_id ) REFERENCES film(film\_id);

### Task2

```
-- 1
create sequence FILM_ID_SEQ
start with 20010
increment by 10;
-- 2
create trigger BI_FILM_ID
before insert on film for each row
begin
select FILM_ID_SEQ.nextval into :new.film_id from dual;
end;
/*
INSERT INTO FILM (TITLE, DESCRIPTION, LANGUAGE_ID) VALUES ('B Movie 1', 'Movie about wasps 1', 1);
select * from film where title='B Movie 1';
*/
```



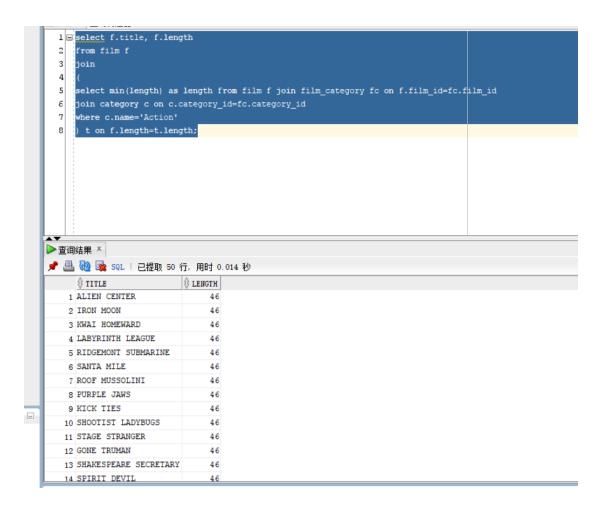
```
-- 3
-- drop trigger BI FILM DESP;
create trigger BI_FILM_DESP
before insert on film for each row
begin
select :new.rating||'-'||(select count(*)+1 from film where rating=:new.rating)||': '||'Originally in
'|| (select name
from language where language_id=:new.original_language_id)
||'.'||'Re-released in '||(select name
from language where language_id=:New.language_id) ||'.'
into :new.description from dual;
end;
/*
INSERT INTO film (title, description, language_id, original_language_id, rating)
VALUES ('B Movie', 'Movie about wasps.', 1, 2, 'PG');
 SELECT description FROM film WHERE film_id = 20020;
*/
      33
          INSERT INTO film (title, description, language_id, original_language_id, rating)
          VALUES ('B Movie', 'Movie about wasps.', 1, 2, 'PG');
           SELECT description FROM film WHERE film_id = 20020;
      36
     ■脚本輸出 × > 查询结果 ×
     📌 🖺 🙀 🔯 SQL | 提取的所有行: 1,用时 0.002 秒

  DESCRIPTION
         1 PG-4030: Originally in Italian.Re-released in English.
Task3
-- 1
select f.title, f.length
from film f
join
```

select min(length) as length from film f join film\_category fc on f.film\_id=fc.film\_id

# join category c on c.category\_id=fc.category\_id where c.name='Action' ) t on f.length=t.length; -- 2 create or replace view MIN\_ACTION\_ACTORS

```
as
select distinct a.actor_id, a.first_name, a.last_name
from actor a join film_actor fa on a.actor_id=fa.actor_id
join film f on f.film_id=fa.film_id
join (
    select f.title, f.length
from film f
join
(
select min(length) as length from film f join film_category fc on f.film_id=fc.film_id
join category c on c.category_id=fc.category_id
where c.name='Action'
) t on f.length=t.length
) v1 on v1.title=f.title;
SELECT * FROM MIN_ACTION_ACTORS;
-- 3
create or replace view V_ACTION_ACTORS_2012
select distinct a.actor_id, a.first_name, a.last_name
from actor a join film_actor fa on a.actor_id=fa.actor_id
join film f on f.film_id=fa.film_id
join film_category fc on fc.film_id=f.film_id
join category c on c.category_id=fc.category_id
where c.name='Action' and f.release_year=2012;
SELECT * FROM V_ACTION_ACTORS_2012;
-- 4
create materialized view MV_ACTION_ACTORS_2012
as
select distinct a.actor_id, a.first_name, a.last_name
from actor a join film_actor fa on a.actor_id=fa.actor_id
join film f on f.film_id=fa.film_id
join film_category fc on fc.film_id=f.film_id
join category c on c.category_id=fc.category_id
where c.name='Action' and f.release_year=2012;
SELECT * FROM MV_ACTION_ACTORS_2012;
```

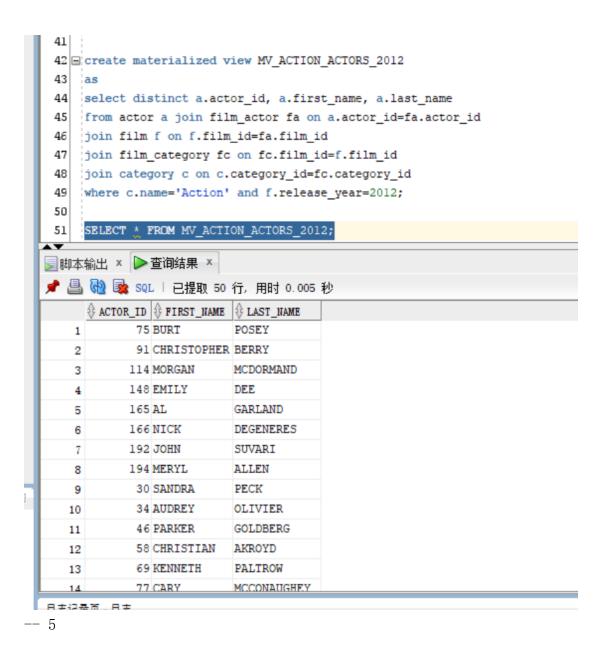


```
13 select distinct a.actor_id, a.first_name, a.last_name
 14 from actor a join film_actor fa on a.actor_id=fa.actor_id
 15 join film f on f.film_id=fa.film_id
 16 join (
 17
     select f.title, f.length
 18 from film f
 19 join
 20 (
 21 select min(length) as length from film f join film_category fc on f.film_id=fc.film_id
 22 join category c on c.category_id=fc.category_id
 23 where c.name='Action'
 24 ) t on f.length=t.length
 25 ) vl on vl.title=f.title;
 26
 27
    SELECT * FROM MIN_ACTION_ACTORS;
■脚本輸出 × ● 查询结果 ×
📌 🚢 🚻 훯 SQL | 已提取 50 行,用时 0.022 秒
     106 GROUCHO
   1
                       DUNST
          117 RENEE
                        TRACY
   2
          141 CATE
                       HARRIS
                       SUVARI
          192 JOHN
   4
          120 PENELOPE MONROE
          56 DAN
                       HARRIS
   6
                       POSEY
          75 BURT
         148 EMILY
                       DEE
   8
           12 KARL
                       BERRY
   9
          114 MORGAN
                       MCDORMAND
   10
          11 ZERO
   11
                       CAGE
          159 LAURA
                       BRODY
  12
           91 CHRISTOPHER BERRY
   13
  14 165 AL GARLAND
日志记录页 - 日志
```

```
30 E create or replace view V ACTION ACTORS 2012
 31 as
 32 select distinct a.actor_id, a.first_name, a.last_name
 33 from actor a join film_actor fa on a.actor_id=fa.actor_id
 34 join film f on f.film_id=fa.film_id
 35 join film_category fc on fc.film_id=f.film_id
 36 join category c on c.category_id=fc.category_id
 37 where c.name='Action' and f.release_year=2012;
 38
 39
     SELECT * FROM V_ACTION_ACTORS_2012;
📌 🖺 🙀 🔯 SQL | 已提取 50 行,用时 0.014 秒

⊕ ACTOR_ID ⊕ FIRST_NAME ⊕ LAST_NAME

            75 BURT
                         POSEY
            91 CHRISTOPHER BERRY
    2
           114 MORGAN
                         MCDORMAND
    3
           148 EMILY
                         DEE
    4
           165 AL
                         GARLAND
    5
           166 NICK
                         DEGENERES
    7
           192 JOHN
                         SUVARI
           194 MERYL
                         ALLEN
    8
           30 SANDRA
                         PECK
    9
           34 AUDREY
                         OLIVIER
           46 PARKER
                        GOLDBERG
   11
            58 CHRISTIAN AKROYD
   12
            69 KENNETH
                         PALTROW
   13
            77 CARY
                        MCCONAUGHEY
```



SQL> explain plan for SELECT \* FROM V\_ACTION\_ACTORS\_2012;

Explained.

SQL> select \* from table(dbms\_xplan.display());

### PLAN\_TABLE\_OUTPUT

-----

-

Plan hash value: 1938178838

-----

(1)  00:00:01      1   VIEW	Id   Operation (%CPU)  Time	Name	Ro	ws   B	ytes   Cos	t
0   SELECT STATEMENT	 - 					
(1)  00:00:01      1   VIEW						
(1)  00:00:01      2   HASH UNIQUE		I	I	121	7381	223
(1)  00:00:01     * 3   HASH JOIN     121   5929   22	•	V_ACTION_ACTOR	S_2012	121	7381	223
(1)  00:00:01    PLAN_TABLE_OUTPUT		1	I	121	5929	223
* 4   HASH JOIN     121   3993   22   (1)  00:00:01     19   494   15   (0)  00:00:01       303   5757   1   (0)  00:00:01	•		I	121	5929	222
(1)  00:00:01     * 5   HASH JOIN SEMI	PLAN_TABLE_OUTPUT					
(0)  00:00:01     6   MERGE JOIN CARTESIAN    303   5757   1   (0)  00:00:01		I	I	121	3993	219
(0)  00:00:01		I	I	19	494	150
* 7   TABLE ACCESS FULL   CATEGORY   1   10		IANI	1	303	5757	139
	* 7   TABLE ACCESS FULL	CATEGORY	1	1	10	3

```
(0)| 00:00:01 |
| 8|
          BUFFER SORT |
                                            | 303 | 2727 | 136
  (0)| 00:00:01 |
|* 9 | TABLE ACCESS FULL | FILM
                                           | 303 | 2727 | 136
  (0)| 00:00:01 |
| 10 | TABLE ACCESS FULL | FILM_CATEGORY | 20000 | 136K| 11
  (0)| 00:00:01 |
PLAN_TABLE_OUTPUT
-----
| 11 | TABLE ACCESS FULL | FILM_ACTOR
                                            l 128Kl 879Kl
                                                             69
  (2)| 00:00:01 |
                                            | 200 | 3200 |
| 12 | TABLE ACCESS FULL | ACTOR
                                                             3
  (0)| 00:00:01 |
______
Predicate Information (identified by operation id):
PLAN_TABLE_OUTPUT
_____
  3 - access("A"."ACTOR_ID"="FA"."ACTOR_ID")
  4 - access("F"."FILM_ID"="FA"."FILM_ID")
  5 - access("C"."CATEGORY_ID"="FC"."CATEGORY_ID" AND "FC"."FILM_ID"="F"."FILM_
ID")
  7 - filter("C"."NAME"='Action')
  9 - filter("F"."RELEASE_YEAR"=2012)
28 rows selected.
```

SQL> explain plan for SELECT \* FROM MV\_ACTION\_ACTORS\_2012;

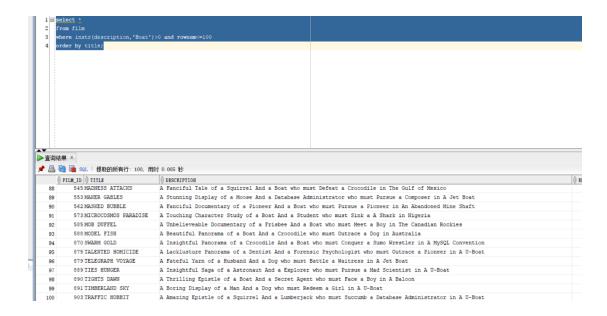
Explained.			
SQL> select * from table(db	oms_xplan.display());		
PLAN_TABLE_OUTPUT			
- Plan hash value: 1015139828			
-			
Id   Operation U)  Time	Name	Rows  Bytes	s   Cost (%CP
-			
PLAN_TABLE_OUTPUT			
-   0   SELECT STATEMENT 0)  00:00:01	 	109  17	744  3 (
1   MAT_VIEW ACCESS 0)  00:00:01	FULL  MV_ACTION_ACTORS	5_2012   109	1744   3 (
-			
8 rows selected.			
based on the execution plan	s above, the MV_ACTION_	ACTORS_2012 inc	deed speed up the

query processing.

# Task4

### -- 1

select \*
from film
where instr(description, 'Boat')>0 and rownum<=100
order by title;</pre>



# -- 2

create index IDX BOAT on film (instr(description, 'Boat'));

### -- 3

```
SQL> explain plan for select *
from film
where instr(description, 'Boat')>0 and rownum<=100
order by title;</pre>
```

Explained.

Plan hash value: 230694130	8							
   Id	Nan	ne	Rows		Bytes		Cost (	~~~~~ %CPU)
OO.OO.OI.			100		15200		16	(7)
00:00:01     1   SORT ORDER BY			100		15200		16	(7)
00:00:01    * 2   COUNT STOPKEY								
* 3   TABLE ACCESS FU 00:00:01	JLL  FIL	.М	100		15200		15	(0)
PLAN_TABLE_OUTPUT								
Predicate Information (ide	entified	l by 	operat 	i (	on id):	: -		
2 - filter(ROWNUM<=100) 3 - filter(INSTR("DESCR		,, Bo	at')>0	))				
16 rows selected.								

| Id | Operation Name Rows Bytes Cost (%CPU ) | Time | 8168 | 16336 | 0 | SELECT STATEMENT 29 (0 ) | 00:00:01 | 1 | COLLECTION ITERATOR PICKLER FETCH | DISPLAY | 8168 | 16336 | 29 (0 ) | 00:00:01 | SQL> explain plan for select \* from film where instr(description,'Boat')>0 and rownum<=100 order by title; 2 3 4 Explained. SQL> select \* from table(dbms\_xplan.display()); PLAN TABLE OUTPUT Plan hash value: 2306941308 PLAN\_TABLE\_OUTPUT Predicate Information (identified by operation id): 2 - filter(ROWNUM<=100)
3 - filter(INSTR("DESCRIPTION", 'Boat')>0) 16 rows selected. Execution Plan Plan hash value: 2137789089

| Name | Rows | Bytes | Cost (%CPU

Id | Operation

```
SQL> explain plan for select *
from film
where instr(description, 'Boat')>0 and rownum <= 100
order by title; 2
                   3 4
Explained.
SQL> select * from table(dbms xplan.display());
PLAN_TABLE_OUTPUT
Plan hash value: 2306941308
| Id | Operation
                         Name Rows Bytes Cost (%CPU)
Time
0 | SELECT STATEMENT |
                                  100 | 15200 |
                                                  16
                                                       (7)
00:00:01
1 | SORT ORDER BY
                       | 100 | 15200 |
                                                       (7)
                                                  16
00:00:01
* 2 | COUNT STOPKEY
|* 3 |
         TABLE ACCESS FULL | FILM | 100 | 15200 | 15
                                                       (0)
00:00:01
PLAN_TABLE_OUTPUT
Predicate Information (identified by operation id):
  2 - filter(ROWNUM<=100)
```

3 - filter(INSTR("DESCRIPTION", 'Boat')>0)

16 rows selected.

```
Execution Plan
Plan hash value: 2137789089
| Id | Operation
                                        Name
                                                 Rows Bytes
Cost (%CPU
) | Time
                                      | 8168 | 16336 |
0 | SELECT STATEMENT
29 (0
) | 00:00:01 |
1 | COLLECTION ITERATOR PICKLER FETCH | DISPLAY | 8168 | 16336 |
29 (0
) | 00:00:01 |
SQL> create index IDX_BOAT on film (instr(description, 'Boat'));
Index created.
SQL> explain plan for select *
from film
where instr(description, 'Boat')>0 and rownum<=100
order by title; 2
                   3 4
Explained.
SQL> select * from table(dbms_xplan.display());
```

PLAN_TABLE_OUTPUT			
Plan hash value: 1934079693			
Id   Operation Bytes   Cost (%CPU)   Time	Name	<b>4</b>	dows
PLAN_TABLE_OUTPUT			
	I		100
1   SORT ORDER BY 15200   5 (20)   00:00:01			100
* 2   COUNT STOPKEY	l		1
3   TABLE ACCESS BY INDEX ROWID BA 15352   4 (0)   00:00:01	TCHED  FILM		101
PLAN_TABLE_OUTPUT			
* 4   INDEX RANGE SCAN   2	IDX_BO	AT	180

(0)   00:00:01						
Predicate Information (identified by op	eration id	d):				
PLAN_TABLE_OUTPUT						
2 - filter(ROWNUM<=100) 4 - access(INSTR("DESCRIPTION", 'Boat	.')>0)					
17 rows selected.						
Execution Plan						
Plan hash value: 2137789089						
Id   Operation Cost (%CPU )   Time	Name		Rows		Bytes	
0   SELECT STATEMENT 29 (0 )   00:00:01			8168		16336	
1   COLLECTION ITERATOR PICKLER FE 29 (0 )   00:00:01	TCH  DISPI	LAY	8168		16336	

-----

```
SQL> create index IDX_BOAT on film (instr(description,'Boat'));
Index created.
SQL> explain plan for select st
where instr(description,'Boat')>0 and rownum<=100 order by title; 2 3 4
Explained.
SQL> select * from table(dbms_xplan.display());
PLAN TABLE OUTPUT
Plan hash value: 1934079693
| Id | Operation
(%CPU)| Time |
                                              | Name | Rows | Bytes | Cost
PLAN_TABLE_OUTPUT
 0 | SELECT STATEMENT
(20)| 00:00:01 |
                                            | 100 | 15200 |
 1 | SORT ORDER BY
(20)| 00:00:01 |
                                                        | 100 | 15200 | 5
* 2 | COUNT STOPKEY
          TABLE ACCESS BY INDEX ROWID BATCHED | FILM | 101 | 15352 | 4
   (0) | 00:00:01 |
PLAN TABLE OUTPUT
          INDEX RANGE SCAN
                                            | IDX_BOAT | 180 | |
  (0) 00:00:01
```

conclusion: the index indeed speed up the query processing.

- (1) the first one which doesn't have an index, use "TABLE ACCESS FULL" plan
- (2) the second one which created an index on column description, use "TABLE ACCESS BY INDEX ROWID BATCHED" plan
- (3) the second one consumes time less than first one.

### -- 5

I think in the three columns release\_year, rating, and special\_features, the column rating and special\_features are suitable for using Hash indexes, and the release\_year is suitable for B+ tree index.

because the rating column, it only has 'G', 'PG', 'PG-13', 'R', 'NC-17' five values and usually use "=" to query records.

and the special\_features column, it only has null, 'Trailers',

'Commentaries', 'Deleted

Scenes', 'Behind the Scenes' values, and also use "=" to find records. release\_year column can use ">","<" and ">=", "<=" to query records. so use B+ tree is more suitable.

### Task5

### -- 1

```
SQL> select
index_name, blevel, leaf_blocks, num_rows, distinct_keys, clustering_factor
from user_ind_statistics
where table_name=UPPER('film'); 2 3 4

INDEX_NAME

BLEVEL LEAF_BLOCKS NUM_ROWS DISTINCT_KEYS CLUSTERING_FACTOR

PK_FILMID

1 37 20002 20002 447

UN_DESCRIPTION

2 296 20002 20002 19934

IDX_BOAT

1 37 20002 84 1997
```

### -- 2

```
SQL> explain plan for SELECT * FROM FILM WHERE FILM_ID > 100;
```

Explained.

SQL> select \* from table(dbms\_xplan.display());

# 

Predicate Information (identified by operation id):

\_\_\_\_\_

PLAN_TABLE_OUTPUT					
-					
1 - filter("FILM_ID">100)					
13 rows selected.					
Execution Plan					
Plan hash value: 2137789089					
 - 					
Id   Operation )  Time	Name	Ro	ows   Bytes   Cos	t (%CPI	J
 - 					
0   SELECT STATEMENT )  00:00:01	I		8168   16336	29	(0
1   COLLECTION ITERATOR PICKLEF )  00:00:01	R FETCH  DISPL	_AY	8168   16336	29	(0

```
SQL> explain plan for SELECT * FROM FILM WHERE FILM_ID > 100;
Explained.
SQL> select * from table(dbms_xplan.display());
PLAN_TABLE_OUTPUT
Plan hash value: 1232367652
| Id | Operation | Name | Rows | Bytes | Cost (%CPU)| Time |
 0 | SELECT STATEMENT | | 19903 | 2993K| 136 (0)| 00:00:01 |
* 1 | TABLE ACCESS FULL| FILM | 19903 | 2993K| 136 (0)| 00:00:01 |
Predicate Information (identified by operation id):
PLAN_TABLE_OUTPUT
   1 - filter("FILM_ID">100)
13 rows selected.
Execution Plan
Plan hash value: 2137789089
 Id | Operation
                                       | Name | Rows | Bytes | Cost (%CPU
)| Time |
                             | | 8168 | 16336 | 29 (0
   0 | SELECT STATEMENT
)| 00:00:01 |
   1 | COLLECTION ITERATOR PICKLER FETCH| DISPLAY | 8168 | 16336 | 29 (0
) | 00:00:01 |
```

use full access plan

### -- 3

rows number decreased to 8168 compared to the full table records.

### -- 4

SQL> explain plan for SELECT \* FROM FILM WHERE FILM\_ID > 19990;

Explained.					
SQL> select * from table(dbms_xplan.display());					
PLAN_TABLE_OUTPUT					
- Plan hash value: 1620599584					
-					
Id   Operation %CPU)  Time	Name	Rows	s   Byt	tes   Cost (	
-					
PLAN_TABLE_OUTPUT					
-   0   SELECT STATEMENT (0)  00:00:01	1	I	30	4620	3
1   TABLE ACCESS BY INDEX ROWID BATO (0)  00:00:01	CHED  FILM	I	30	4620	3
* 2   INDEX RANGE SCAN (0)  00:00:01	PK_FILM	ID	30	I	2
PLAN_TABLE_OUTPUT					
-					
Predicate Information (identified by operation is	d): 				

2 - access("FILM\_ID">19990)

)| 00:00:01 |

```
SQL> explain plan for SELECT * FROM FILM WHERE FILM_ID > 19990;
SQL> select * from table(dbms_xplan.display());
PLAN_TABLE_OUTPUT
Plan hash value: 1620599584
| Id | Operation
%CPU)| Time |
                                      | Name | Rows | Bytes | Cost (
PLAN_TABLE_OUTPUT
   0 | SELECT STATEMENT | 30 | 4620 | 3
 (0)| 00:00:01 |
   1 | TABLE ACCESS BY INDEX ROWID BATCHED| FILM | 30 | 4620 | 3
 (0)| 00:00:01 |
 * 2 | INDEX RANGE SCAN
(0)| 00:00:01 |
                                      | PK_FILMID | 30 | |
                                                                      2
PLAN TABLE OUTPUT
Predicate Information (identified by operation id):
  2 - access("FILM_ID">19990)
14 rows selected.
Execution Plan
Plan hash value: 2137789089
```

use index range scan. row number is smaller than the task 5.3.

### -- 5

```
SQL> explain plan for SELECT * FROM FILM WHERE FILM_ID = 100;
```

Explained.

SQL> select \* from table(dbms\_xplan.display());

```
PLAN_TABLE_OUTPUT
```

\_\_\_\_\_\_

\_

Plan hash value: 2104374699						
-						
Id   Operation ime	Name	Rows	Byt	tes   Cost ( <sup>(</sup>	%CPU	)  T
-						
PLAN_TABLE_OUTPUT						
-   0   SELECT STATEMENT 0:00:01	ſ	I	1	154	2	(0)  0
1   TABLE ACCESS BY INDEX RO 0:00:01	WID  FILM	I	1	154	2	(0)  0
* 2   INDEX UNIQUE SCAN 0:00:01	PK_FILM	ID	1	l	1	(0)  0
PLAN_TABLE_OUTPUT						
-						
Predicate Information (identified by op	,					
2 - access("FILM_ID"=100)						
14 rows selected.						

Execution Plan

Plan hash value: 2137789089					
-					
Id   Operation )  Time	Name	Ro	ws   Bytes   Cos	st (%CPL	J
-					
0   SELECT STATEMENT )  00:00:01	I	l	8168   16336	29	(0
1   COLLECTION ITERATOR PICKLER FET )  00:00:01	TCH  DISPL	AY	8168   16336	29	(0
-					

```
SQL> explain plan for SELECT * FROM FILM WHERE FILM_ID = 100;
Explained.
SQL> select * from table(dbms_xplan.display());
PLAN_TABLE_OUTPUT
Plan hash value: 2104374699
| 1 | TABLE ACCESS BY INDEX ROWID| FILM | 1 | 154 | 2 (0)| 0
0:00:01 |
|* 2 | INDEX UNIQUE SCAN | PK_FILMID | 1 | 1 (0)|0
0:00:01|
PLAN_TABLE_OUTPUT
Predicate Information (identified by operation id):
 2 - access("FILM_ID"=100)
14 rows selected.
Execution Plan
Plan hash value: 2137789089
```

use index unique scan, the row number is only 1.