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ASSESSMENT - 1

WORKER TABLE :

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
	6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
*	NULL	NULL	NULL	NULL	NULL	NULL

TITLE TABLE :

	WORKER_REF_ID	WORKER_TITLE	AFFECTED_FROM
▶	1	Manager	2016-02-20 00:00:00
	2	Executive	2016-06-11 00:00:00
	8	Executive	2016-06-11 00:00:00
	5	Manager	2016-06-11 00:00:00
	4	Asst. Manager	2016-06-11 00:00:00
	7	Executive	2016-06-11 00:00:00
	6	Lead	2016-06-11 00:00:00
	3	Lead	2016-06-11 00:00:00

BONUS TABLE :

	WORKER_REF_ID	BONUS_AMOUNT	BONUS_DATE
▶	1	5000	2016-02-20 00:00:00
	2	3000	2016-06-11 00:00:00
	3	4000	2016-02-20 00:00:00
	1	4500	2016-02-20 00:00:00
	2	3500	2016-06-11 00:00:00

-- question 1

select FIRST_NAME as "WORKER_NAME" from worker ;

```

64 • show tables;
65 -- question 1
66 • select FIRST_NAME as "WORKER_NAME" from worker ;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	WORKER_NAME			
▶	Monika			
	Niharika			
	Vishal			
	Amitabh			
	Vivek			

-- question 2

select UPPER(FIRST_NAME) from worker;

```

64 • show tables;
65 -- question 1
66 • select FIRST_NAME as "WORKER_NAME" from worker ;
67 -- question 2
68 • select UPPER(FIRST_NAME) from worker;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	UPPER(FIRST_NAME)			
▶	MONIKA			
	NIHARIKA			
	VISHAL			
	AMITABH			
	VIVEK			

-- question 3

select distinct(DEPARTMENT) from worker;

```

64 • show tables;
65 -- question 1
66 • select FIRST_NAME as "WORKER_NAME" from worker ;
67 -- question 2
68 • select UPPER(FIRST_NAME) from worker;
69 -- question 3
70 • select distinct(DEPARTMENT) from worker;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	DEPARTMENT			
▶	HR			
	Admin			
	Account			

-- question 4

select SUBSTRING(FIRST_NAME,1,3) from worker;

```
65      -- question 1
66 •    select FIRST_NAME as "WORKER_NAME" from worker ;
67      -- question 2
68 •    select UPPER(FIRST_NAME) from worker;
69      -- question 3
70 •    select distinct(DEPARTMENT) from worker;
71      -- question 4
72 •    select SUBSTRING(FIRST_NAME,1,3) from worker;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
SUBSTRING(FIRST_NAME,1,3)				
▶	Mon			
	Nih			
	Vis			
	Ami			
	Viv			

-- question 5

select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker WHERE FIRST_NAME = 'Amitabh';

```
66 •    select FIRST_NAME as "WORKER_NAME" from worker ;
67      -- question 2
68 •    select UPPER(FIRST_NAME) from worker;
69      -- question 3
70 •    select distinct(DEPARTMENT) from worker;
71      -- question 4
72 •    select SUBSTRING(FIRST_NAME,1,3) from worker;
73      -- question 5
74 •    select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker WHERE FIRST_NAME = 'Amitabh';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
FIRST_NAME Position				
▶	Amitabh 1			

-- question 6

select RTRIM(FIRST_NAME) from worker;

```
71 -- question 4
72 • select SUBSTRING(FIRST_NAME,1,3) from worker;
73 -- question 5
74 • select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker WHERE FIRST_NAME = 'Amitabh';
75 -- question 6
76 • select RTRIM(FIRST_NAME) from worker;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

RTRIM(FIRST_NAME)
Monika
Niharika
Vishal
Amitabh
Vivek

-- question 7

select LTRIM(DEPARTMENT) from worker;

```
73 -- question 5
74 • select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker;
75 -- question 6
76 • select RTRIM(FIRST_NAME) from worker;
77 -- question 7
78 • select LTRIM(DEPARTMENT) from worker;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

LTRIM(DEPARTMENT)
HR
Admin
HR
Admin
Admin

-- question 8

select distinct(DEPARTMENT),length(DEPARTMENT) from worker ;

```
76 • select RTRIM(FIRST_NAME) from worker;
77   -- question 7
78 • select LTRIM(DEPARTMENT) from worker;
79   -- question 8
80 • select distinct(DEPARTMENT),length(DEPARTMENT) from worker ;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
DEPARTMENT	length(DEPARTMENT)		
HR	2		
Admin	5		
Account	7		

-- question 9

select replace(FIRST_NAME,'a','A') from worker;

```
78 • select LTRIM(DEPARTMENT) from worker;
79   -- question 8
80 • select distinct(DEPARTMENT),length(DEPARTMENT) from worker ;
81   -- question 9
82 • select replace(FIRST_NAME,'a','A') from worker;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
replace(FIRST_NAME,'a','A')			
Monika			
NihArika			
VishAl			
AmitAbh			
Vivek			

-- question 10

select CONCAT(FIRST_NAME,' ',LAST_NAME) as COMPLETE_NAME from worker

```
81 -- question 9
82 • select replace(FIRST_NAME,'a','A') from worker;
83 -- question 10
84 • select CONCAT(FIRST_NAME,' ',LAST_NAME) as COMPLETE_NAME from worker;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
COMPLETE_NAME				
▶	Monika Arora			
	Niharika Verma			
	Vishal Singhal			
	Amitabh Singh			
	Vivek Bhati			

-- question 11

select * from worker order by FIRST_NAME asc;

```
82 • select replace(FIRST_NAME,'a','A') from worker;
83 -- question 10
84 • select CONCAT(FIRST_NAME,' ',LAST_NAME) as COMPLETE_NAME from worker;
85 -- question 11
86 • select * from worker order by FIRST_NAME asc;
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account

worker 25

×

-- question 12

select * from worker order by FIRST_NAME asc , DEPARTMENT desc;

```
84 • select CONCAT(FIRST_NAME,' ',LAST_NAME) as COMPLETE_NAME from worker;
85 -- question 11
86 • select * from worker order by FIRST_NAME asc;
87 -- question 12
88 • select * from worker order by FIRST_NAME asc , DEPARTMENT desc;
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account

-- question 13

select * from worker where FIRST_NAME = "Vipul" OR FIRST_NAME = "Satish";

87 -- question 12

88 • select * from worker order by FIRST_NAME asc , DEPARTMENT desc;

89 -- question 13

90 • select * from worker where FIRST_NAME = "Vipul" OR FIRST_NAME = "Satish";

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
NULL	NULL	NULL	NULL	NULL	NULL

worker 33 x

Output

-- question 14

select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish";

88 • select * from worker order by FIRST_NAME asc , DEPARTMENT desc;

89 -- question 13

90 • select * from worker where FIRST_NAME = "Vipul" OR FIRST_NAME = "Satish";

91 -- question 14

92 • select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish";

93 • select FIRST_NAME from worker;

94

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Co

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin

worker 34 x

```

90 • select * from worker where FIRST_NAME = "Vipul" OR FIRST_NAME = "Satish";
91 -- question 14
92 • select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish";
93 -- question 15
94 • select * from worker where DEPARTMENT = "Admin";

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Co

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
*	NULL	NULL	NULL	NULL	NULL	NULL

worker 35 x

```

91 -- question 14
92 • select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish";
93 -- question 15
94 • select * from worker where DEPARTMENT = "Admin";
95 -- question 16
96 • select * from worker where FIRST_NAME like "%a%";

```

Result Grid | Filter Rows: | Edit: | Export/Import: | V

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account

```

95 -- question 16
96 • select * from worker where FIRST_NAME like "%a%";
97 -- question 17
98 • select * from worker where FIRST_NAME like "%a";

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wra

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
*	NULL	NULL	NULL	NULL	NULL	NULL

worker 40 x

Output


```

98 • select * from worker where FIRST_NAME like "%a";
99 -- question 18
100 • select * from worker where FIRST_NAME like "%h" AND length(FIRST_NAME) = 6;

```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
	NULL	NULL	NULL	NULL	NULL	NULL

worker 41 x

Output

```

98 • select * from worker where FIRST_NAME like "%a";
99 -- question 18
100 • select * from worker where FIRST_NAME like "%h" AND length(FIRST_NAME) = 6;
101 -- question 19
102 • select * from worker where salary<500000 and salary>100000;

```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
NULL	NULL	NULL	NULL	NULL	NULL

```

97 -- question 17
98 • select * from worker where FIRST_NAME like "%a";
99 -- question 18
100 • select * from worker where FIRST_NAME like "%h" AND length(FIRST_NAME) = 6;
101 -- question 19
102 • select * from worker where salary<500000 and salary>100000;
103 -- question 20
104 • select * from worker where JOINING_DATE like '2014-02%';

```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
✱	NULL	NULL	NULL	NULL	NULL	NULL

worker 48 x

Output

```

101      -- question 19
102 •    select * from worker where salary<500000 and salary>100000;
103      -- question 20
104 •    select * from worker where JOINING_DATE like '2014-02%';
105      -- question 21
106 •    select count(*) from worker where DEPARTMENT = "Admin";

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	count(*)			
▶	4			

```

104 •    select * from worker where JOINING_DATE like 2014-02% ;
105      -- question 21
106 •    select count(*) from worker where DEPARTMENT = "Admin";
107      -- question 22
108 •    select FIRST_NAME from worker where salary>=50000 and salary <=100000;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	FIRST_NAME			
▶	Monika			
	Niharika			
	Satish			
	Geetika			

worker 54 x

Output

Action Output

#	Time	Action	Message
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```

106 • select count(*) from worker where DEPARTMENT = 'Admin' ;
107 -- question 22
108 • select FIRST_NAME from worker where salary>=50000 and salary <=100000;
109 -- question 23
110 • select DEPARTMENT,count(*) from worker group by department order by department desc;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

DEPARTMENT	count(*)
HR	2
Admin	4
Account	2

```

107 • -- question 22
108 • select FIRST_NAME from worker where salary>=50000 and salary <=100000;
109 -- question 23
110 • select DEPARTMENT,count(*) from worker group by department order by department desc;
111 -- question 24
112 • select * from worker join title on worker.WORKER_ID = title.WORKER_REF_ID where WORKER_TITLE = "Manager"
113 • show tables;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT	WORKER_REF_ID	WORKER_TITLE	AFFECTED_DATE
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR	1	Manager	2016-02-20 09:00:00
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin	5	Manager	2016-06-11 09:00:00

Result 79 × Read Only

Output

Action Output

#	Time	Action	Message
---	------	--------	---------

```

110 • select DEPARTMENT,count(*) from worker group by department order by department desc;
111 -- question 24
112 • select * from worker join title on worker.WORKER_ID = title.WORKER_REF_ID where WORKER_TITLE = "Manager"
113 -- question 25
114 • select * from worker,title where WORKER_REF_ID = WORKER_ID;
115 • show tables;
116 • select * from bonus;
117 • select * from title;
118 • select * from worker;
119

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT	WORKER_REF_ID	WORKER_TITLE	AFFECTED_DATE
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR	1	Manager	2016-02-20 09:00:00
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin	2	Executive	2016-06-11 09:00:00
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR	3	Lead	2016-02-20 09:00:00
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin	4	Asst. Manager	2016-02-20 09:00:00

Result 83 × Read Only

Output

Action Output

```
114 • select * from worker,title where WORKER_REF_ID = WORKER_ID;
115 -- question 26
116 • select * from worker where WORKER ID % 2 = 1;
```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
*	NULL	NULL	NULL	NULL	NULL	NULL

worker 94 x

Output

```
111 -- question 24
112 • select * from worker join title on worker.WORKER_ID = title.WORKER_REF_
113 -- question 25
114 • select * from worker,title where WORKER_REF_ID = WORKER_ID;
115 -- question 26
116 • select * from worker where WORKER_ID % 2 = 1;
117 -- question 27
118 • select * from worker where WORKER ID % 2 = 0;
```

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
NULL	NULL	NULL	NULL	NULL	NULL

worker 95 x

```
-- question 28
create table Cloned_table like worker;
```

```
show tables;
select * from bonus;
select * from title;
select * from worker;
```

ion Output

	Time	Action	Message
3	21:05:39	select * from worker where WORKER_ID % 2 = 1 LIMIT 0, 1000	4 row(s) returned
4	21:06:04	select * from worker where WORKER_ID % 2 = 0 LIMIT 0, 1000	4 row(s) returned
5	21:07:42	create table Cloned_table like worker	0 row(s) affected

```
118 • select * from worker where WORKER_ID % 2 = 0;
119 -- question 28
120 • create table Cloned_table like worker;
121 -- question 29
122 • select * from worker inner join title on worker.WORKER_ID = title.WORKER_REF_ID;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT	WORKER_REF_ID	WORKER_TITLE	AFF
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR	1	Manager	2014
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin	2	Executive	2014
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR	3	Lead	2014
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin	4	Asst. Manager	2014

Result 97 × Read Only

Output

Action Output

#	Time	Action	Message
121	21:08:27	create table Cloned_table like worker;	0 row(s) affected
122		-- question 29	
123		select * from worker inner join title on worker.WORKER_ID = title.WORKER_REF_ID;	
124		-- question 30	
125		select worker.* from worker left join title on worker.WORKER_ID = title.WORKER_REF_ID where title.WORKER_REF_ID IS NULL;	
126		-- question 31	
127			
128			
129		show tables;	
130		select * from bonus;	
131		select * from title;	

Result Grid Filter Rows: Export: Wrap Cell Content:

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
-----------	------------	-----------	--------	--------------	------------

Result 6 × Read Only

Output



Action Output

#	Time	Action	Message
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```

124      -- question 30
125 •    select worker.* from worker left j
126      -- question 31
127 •    select current_timestamp;

```

Result Grid   Filter Rows: | Ex

	current_timestamp
▶	2024-06-09 10:52:35

Result 7 ×

```

126      -- question 31
127 •    select current_timestamp;
128      -- question 32
129 •    select * from worker limit 10;
130
131 •    show tables;

```

Result Grid   Filter Rows: | Edit:    | Export/Import:  

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin

worker 8 ×


```

126 -- question 31
127 • select current_timestamp;
128 -- question 32
129 • select * from worker limit 10;
130 -- question 33
131 • select distinct(salary) from worker order by salary desc limit 1 offset 4;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	salary				
▶	90000				

```

134 -- question 35
135 • select FIRST_NAME, LAST_NAME, SALARY from Worker where SALARY in (
136     select SALARY
137     from Worker
138     group by SALARY
139     having COUNT(*) > 1
140 );

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	FIRST_NAME	LAST_NAME	SALARY	
▶	Amitabh	Singh	500000	
	Vivek	Bhati	500000	

```

138     group by SALARY
139     having COUNT(*) > 1
140 );
141 -- question 36
142 • select max(SALARY) as sec_high from worker where SALARY < ( select max(SALARY) from worker);

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	sec_high			
▶	300000			

Result 16 ×

Output

Action Output

```

143 -- question 37
144 • select * from worker where WORKER_ID = 1 UNION ALL select * from worker where WORKER_ID = 1;

```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
	1	Monika	Arora	100000	2014-02-20 09:00:00	HR

Result 18 ×

Output

Action Output

```

145 -- question 38
146 • select * from worker INNER JOIN title on worker.WORKER_ID = title.WORKER_REF_ID;

```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT	WORKER_REF_ID	WORKER_TITLE	AFF
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR	1	Manager	2014
	2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin	2	Executive	2014
	3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR	3	Lead	2014
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin	4	Asst. Manager	2014

Result 34 ×

-- question 39

```

-- SELECT * FROM worker LIMIT (SELECT COUNT(*) FROM worker) / 2;

```

```

149 -- question 40
150 • select DEPARTMENT as people from worker group by DEPARTMENT having count(*) < 5;
151 -- question 41
152 • select DEPARTMENT, COUNT(*) as people from worker group by DEPARTMENT having count(*) < 5;

```

	people
▶	HR
	Admin
	Account

```

151 -- question 41
152 • select DEPARTMENT, COUNT(*) as people from worker group by DEPARTMENT having count(*) < 5;

```

	DEPARTMENT	people
▶	HR	2
	Admin	4
	Account	2

153 -- question 42

154 • select * from worker order by WORKER_ID desc limit 1;

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
Wrap						
	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
*	NULL	NULL	NULL	NULL	NULL	NULL

155 -- question 43

156 • select * from worker limit 1;

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	1	Monika	Arora	100000	2014-02-20 09:00:00	HR
*	NULL	NULL	NULL	NULL	NULL	NULL

157 -- question 44

158 • select * from worker order by WORKER_ID desc limit 5;

159



160 • show tables;

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
Wrap						
	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
▶	8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
	7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
	6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
	5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
	4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin

```

159 -- question 45
160 • select w.DEPARTMENT, w.FIRST_NAME, w.LAST_NAME, w.SALARY
161 from worker w
162 join (
163     select DEPARTMENT, max(SALARY) as max_salary
164     from worker
165     group by DEPARTMENT
166 ) max_salaries
167 on w.DEPARTMENT = max_salaries.DEPARTMENT and w.SALARY = max_salaries.max_salary;

```


Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	DEPARTMENT	FIRST_NAME	LAST_NAME	SALARY
▶	HR	Vishal	Singhal	300000
	Admin	Amitabh	Singh	500000
	Admin	Vivek	Bhati	500000
	Account	Vipul	Diwan	200000

```

168 -- question 46
169 • select distinct(SALARY) from worker order by SALARY desc limit 3;
170 -- question 47
171 • select SALARY from worker order by SALARY limit 3;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 

	SALARY
▶	500000
	300000
	200000

```

170 -- question 47
171 • select SALARY from worker order by SALARY limit 3;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	SALARY
▶	75000
	80000
	90000

```

172 -- question 48
173 • select distinct SALARY from worker order by SALARY desc limit 5, 1;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 

	SALARY
▶	80000

174 -- question 49

175 • `select DEPARTMENT, sum(SALARY) from worker group by DEPARTMENT;`

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	DEPARTMENT	sum(SALARY)			
▶	HR	400000			
	Admin	1170000			
	Account	275000			

176 -- question 50

177 • `select FIRST_NAME from worker where SALARY = (select max(salary) from worker);`

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	FIRST_NAME				
▶	Amitabh				
	Vivek				

QUERIES:

-- question 1

`select FIRST_NAME as "WORKER_NAME" from worker ;`

-- question 2

`select UPPER(FIRST_NAME) from worker;`

-- question 3

`select distinct(DEPARTMENT) from worker;`

-- question 4

`select SUBSTRING(FIRST_NAME,1,3) from worker;`

-- question 5

`select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker WHERE FIRST_NAME = 'Amitabh';`

-- question 6

`select RTRIM(FIRST_NAME) from worker;`

-- question 7

`select LTRIM(DEPARTMENT) from worker;`

-- question 8

`select distinct(DEPARTMENT),length(DEPARTMENT) from worker ;`

-- question 9

`select replace(FIRST_NAME,'a','A') from worker;`

```

-- question 10
select CONCAT(FIRST_NAME,' ',LAST_NAME) as COMPLETE_NAME from worker;

-- question 11
select * from worker order by FIRST_NAME asc;

-- question 12
select * from worker order by FIRST_NAME asc , DEPARTMENT desc;

-- question 13
select * from worker where FIRST_NAME = "Vipul" OR FIRST_NAME = "Satish";

-- question 14
select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish";

-- question 15
select * from worker where DEPARTMENT = "Admin";

-- question 16
select * from worker where FIRST_NAME like "%a%";

-- question 17
select * from worker where FIRST_NAME like "%a";

-- question 18
select * from worker where FIRST_NAME like "%h" AND length(FIRST_NAME) = 6;

-- question 19
select * from worker where salary<500000 and salary>100000;

-- question 20
select * from worker where JOINING_DATE like '2014-02%';

-- question 21
select count(*) from worker where DEPARTMENT = "Admin";

-- question 22
select FIRST_NAME from worker where salary>=50000 and salary <=100000;

-- question 23
select DEPARTMENT,count(*) from worker group by department order by department desc;

-- question 24
select * from worker join title on worker.WORKER_ID = title.WORKER_REF_ID where WORKER_TITLE
= "Manager";

-- question 25
select * from worker,title where WORKER_REF_ID = WORKER_ID;

-- question 26

```



```
select * from worker where WORKER_ID % 2 = 1;
```

-- question 27

```
select * from worker where WORKER_ID % 2 = 0;
```

-- question 28

```
create table Cloned_table like worker;
```

-- question 29

```
select * from worker inner join title on worker.WORKER_ID = title.WORKER_REF_ID;
```

-- question 30

```
select worker.* from worker left join title on worker.WORKER_ID = title.WORKER_REF_ID where  
title.WORKER_REF_ID IS NULL;
```

-- question 31

```
select current_timestamp;
```

-- question 32

```
select * from worker limit 10;
```

-- question 33

```
select distinct(salary) from worker order by salary desc limit 1 offset 4;
```

-- question 34

```
select salary from worker where salary not in (select distinct salary from worker order by salary desc  
limit 4) order by salary desc limit 1;
```

-- question 35

```
select FIRST_NAME, LAST_NAME, SALARY from Worker where SALARY in (
```

```
    select SALARY
```

```
    from Worker
```

```
    group by SALARY
```

```
    having COUNT(*) > 1
```

```
);
```

-- question 36

```
select max(SALARY) as sec_high from worker where SALARY < ( select max(SALARY)from worker);
```

-- question 37

```
select * from worker where WORKER_ID = 1 UNION ALL select * from worker where WORKER_ID = 1;
```

-- question 38

```
select * from worker INNER JOIN title on worker.WORKER_ID = title.WORKER_REF_ID;
```

-- question 39

```
SELECT * FROM worker LIMIT (SELECT COUNT(*) FROM worker) / 2;
```

-- question 40

```

select DEPARTMENT as people from worker group by DEPARTMENT having count(*) < 5;

-- question 41

select DEPARTMENT, COUNT(*) as people from worker group by DEPARTMENT having count(*) < 5;

-- question 42

select * from worker order by WORKER_ID desc limit 1;

-- question 43

select * from worker limit 1;

-- question 44

select * from worker order by WORKER_ID desc limit 5;

-- question 45

select w.DEPARTMENT, w.FIRST_NAME, w.LAST_NAME, w.SALARY
from worker w
join (
    select DEPARTMENT, max(SALARY) as max_salary
    from worker
    group by DEPARTMENT
) max_salaries
on w.DEPARTMENT = max_salaries.DEPARTMENT and w.SALARY = max_salaries.max_salary;

-- question 46

select distinct(SALARY) from worker order by SALARY desc limit 3;

-- question 47

select SALARY from worker order by SALARY limit 3;

-- question 48

select distinct SALARY from worker order by SALARY desc limit 5, 1;

-- question 49

select DEPARTMENT, sum(SALARY) from worker group by DEPARTMENT;

-- question 50

select FIRST_NAME from worker where SALARY = (select max(salary) from worker);

```