Name: Yashwanth Vignesh K

Reg No: 22BLC1194

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 :

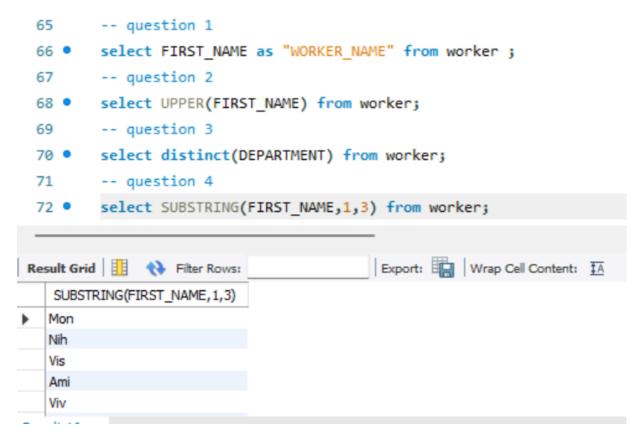
	WORKER_REF_ID	WORKER_TITLE	AFFECTED_FROM
•	1	Manager	2016-02-20 00:00:00
	2	Executive	2016-06-11 00:00:00
	8	Executive	2016-06-1100:00:00
	5	Manager	2016-06-11 00:00:00
	4	Asst. Manager	2016-06-11 00:00:00
	7	Executive	2016-06-11 00:00:00
	6	Lead	2016-06-11 00:00:00
	3	Lead	2016-06-11 00:00:00

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

```
64 • show tables;
         -- question 1
         select FIRST NAME as "WORKER NAME" from worker;
                                         Export: Wrap Cell Content: IA
WORKER_NAME
   Monika
   Niharika
   Vishal
   Amitabh
   Vivek
-- question 2
select UPPER(FIRST NAME) from worker;
          show tables;
   64 •
   65
         -- question 1
          select FIRST_NAME as "WORKER_NAME" from worker;
         -- question 2
   68 •
          select UPPER(FIRST_NAME) from worker;
 Export: Wrap Cell Content: ‡A
    UPPER(FIRST_NAME)
   MONIKA
    NIHARIKA
    VISHAL
    AMITABH
    VIVEK
-- question 3
select distinct(DEPARTMENT) from worker;
          show tables;
         -- question 1
  65
          select FIRST_NAME as "WORKER_NAME" from worker;
         -- question 2
  67
          select UPPER(FIRST_NAME) from worker;
  68 •
         -- question 3
  69
          select distinct(DEPARTMENT) from worker;
  70 •
                                         Export: Wrap Cell Content: ‡A
 Result Grid Filter Rows:
    DEPARTMENT
    HR
    Admin
    Account
```

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';

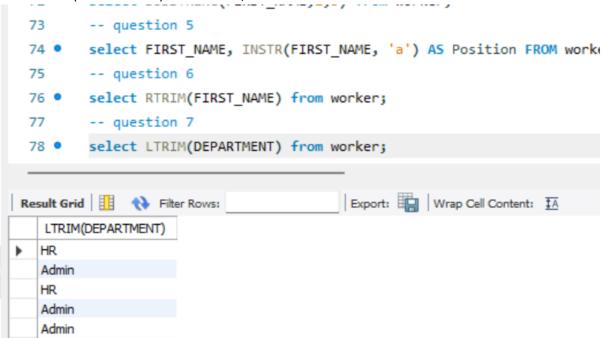
```
66 • select FIRST_NAME as "WORKER_NAME" from worker;
 67
        -- question 2
       select UPPER(FIRST_NAME) from worker;
 68 •
 69
        -- question 3
 70 • select distinct(DEPARTMENT) from worker;
 71
        -- question 4
 72 • select SUBSTRING(FIRST_NAME,1,3) from worker;
        -- question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

select RTRIM(FIRST_NAME) from worker;

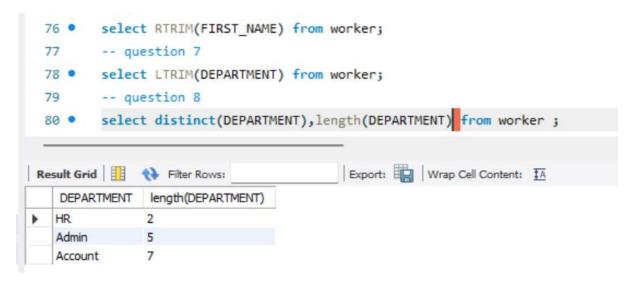
```
71
       -- question 4
72 • select SUBSTRING(FIRST_NAME,1,3) from worker;
 73
       -- question 5
 74 • select FIRST_NAME, INSTR(FIRST_NAME, 'a') AS Position FROM worker WHERE FIRST_NAME = 'Amitabh';
       -- question 6
75
      select RTRIM(FIRST_NAME) from worker;
 76 •
Export: Wrap Cell Content: $\frac{1}{4}
  RTRIM(FIRST_NAME)
 Monika
 Niharika
  Vishal
  Amitabh
 Vivek
```

-- question 7

select LTRIM(DEPARTMENT) from worker;

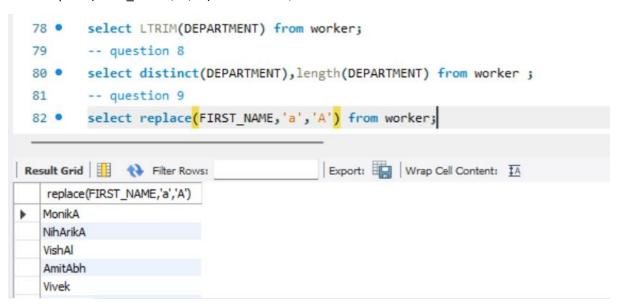


select distinct(DEPARTMENT),length(DEPARTMENT) from worker;



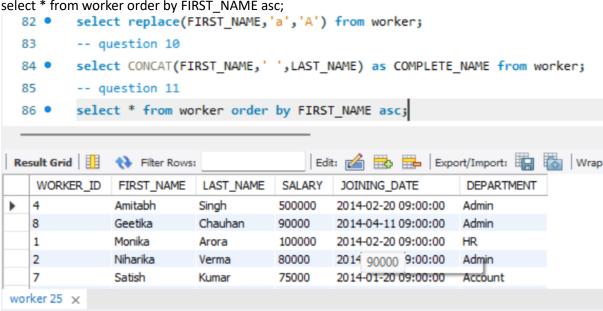
-- question 9

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



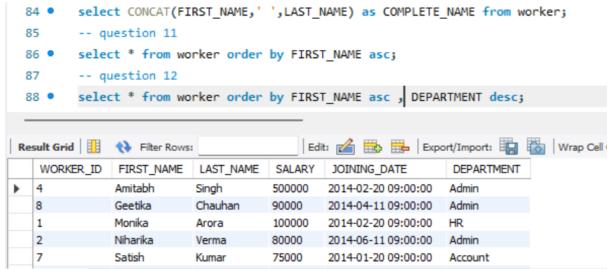
select CONCAT(FIRST_NAME, '',LAST_NAME) as COMPLETE_NAME from worker

```
81
          -- question 9
  82 •
          select replace(FIRST NAME, 'a', 'A') from worker;
          -- question 10
          select CONCAT(FIRST NAME, ' ', LAST NAME) as COMPLETE NAME from worker;
  84 •
                                          Export: Wrap Cell Content: IA
 COMPLETE_NAME
   Monika Arora
    Niharika Verma
    Vishal Singhal
    Amitabh Singh
    Vivek Bhati
-- question 11
select * from worker order by FIRST NAME asc;
           select replace(FIRST_NAME, 'a', 'A') from worker;
```



-- 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"; 87 -- 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"; 90 • Result Grid Filter Rows: Edit: 🚄 🖶 Export/Import: 📳 🦝 Wrap Ce WORKER ID FIRST NAME JOINING DATE LAST NAME SALARY DEPARTMENT 2014-06-11 09:00:00 6 Vipul Diwan 200000 Account Satish Kumar 75000 2014-01-20 09:00:00 Account NULL NULL NULL NULL NULL NULL worker 33 × -- question 14 select * from worker where FIRST_NAME != "Vipul" OR FIRST_NAME != "Satish"; select * from worker order by FIRST NAME asc , DEPARTMENT desc; 88 • 89 -- question 13 select * from worker where FIRST NAME = "Vipul" OR FIRST NAME = "Satish"; 90 • 91 -- question 14 select * from worker where FIRST NAME != "Vipul" OR FIRST NAME != "Satish"; 92 • select FIRST NAME from worker; 93 • 94 Result Grid | Edit: 🔏 🐯 🖶 | Export/Import: 📳 👸 | Wrap Cell Co Filter Rows: WORKER_ID FIRST_NAME SALARY JOINING_DATE DEPARTMENT LAST_NAME 2014-02-20 09:00:00 Monika 100000 HR 1 Arora 2 Niharika Verma 80000 2014-06-11 09:00:00 Admin

2014-02-20 09:00:00

2014-02-20 09:00:00

2014-06-11 09:00:00

HR

Admin

Admin

3

4

5

worker 34 ×

Vishal

Vivek

Amitabh

Singhal

Singh

Bhati

300000

500000

500000

```
90 .
          select * from worker where FIRST NAME = "Vipul" OR FIRST NAME = "Satish";
          -- question 14
  91
          select * from worker where FIRST NAME != "Vipul" OR FIRST NAME != "Satish";
  92 •
          -- question 15
  93
          select * from worker where DEPARTMENT = "Admin";
 Result Grid
                                          Edit: 🚰 📆 Export/Import: 🙀 🦝 Wrap Cell Co
              Filter Rows:
    WORKER ID
              FIRST_NAME
                           LAST_NAME
                                      SALARY
                                              JOINING_DATE
                                                               DEPARTMENT
               Niharika
                           Verma
                                     80000
                                             2014-06-11 09:00:00
                                                               Admin
               Amitabh
                          Singh
                                             2014-02-20 09:00:00
                                                               Admin
    4
                                     500000
    5
               Vivek
                           Bhati
                                     500000
                                             2014-06-11 09:00:00
                                                               Admin
                                             2014-04-11 09:00:00
    8
               Geetika
                          Chauhan
                                     90000
                                                               Admin
 NULL
               NULL
                          NULL
                                     HULL
                                             NULL
                                                              NULL
 worker 35 x
 91
          -- question 14
          select * from worker where FIRST NAME != "Vipul" OR FIRST NAME != "Sa
 92 •
          -- question 15
 93
          select * from worker where DEPARTMENT = "Admin";
 94 •
 95
          -- question 16
          select * from worker where FIRST NAME like "%a%";
 96 •
Result Grid
               Filter Rows:
                                             Edit: 🚄 🖶 🖶 Export/Import: 识 📸
                FIRST_NAME
                                                  JOINING_DATE
    WORKER ID
                             LAST_NAME
                                         SALARY
                                                                     DEPARTMENT
               Monika
                                                  2014-02-20 09:00:00
                                         100000
                                                                     HR
                            Arora
               Niharika
                                                 2014-06-11 09:00:00
                                                                     Admin
   2
                            Verma
                                        80000
   3
                Vishal
                            Singhal
                                         300000
                                                  2014-02-20 09:00:00
                                                                     HR
   4
                Amitabh
                                                 2014-02-20 09:00:00
                                                                     Admin
                            Singh
                                         500000
   7
               Satish
                                                  2014-01-20 09:00:00
                            Kumar
                                         75000
                                                                     Account
 95
          -- question 16
          select * from worker where FIRST_NAME like "%a%";
          -- question 17
 97
          select * from worker where FIRST NAME like "%a";
 98 •
                                            Edit: 🚄 🖶 🖶 Export/Import: 🙀 📸 Wra
Result Grid
               Filter Rows:
    WORKER ID
                FIRST NAME
                            LAST NAME
                                        SALARY
                                                 JOINING DATE
                                                                    DEPARTMENT
               Monika
                                        100000
                                                2014-02-20 09:00:00
                                                                   HR
   1
                            Arora
   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
worker 40 ×
Output
```

```
select * from worker where FIRST_NAME like "%a";
   98
          -- question 18
          select * from worker where FIRST NAME like "%h" AND length(FIRST NAME) = 6;
  100 •
 Edit: 🚄 🖶 🖶 Export/Import: 📺 📸 Wrap Cell Content
     WORKER_ID FIRST_NAME LAST_NAME
                                             JOINING_DATE
                                                              DEPARTMENT
                                      SALARY
                Satish
                                             2014-01-20 09:00:00
                           Kumar
                                     75000
                                                              Account
 NULL
               NULL
                          NULL
                                     NULL
                                             NULL
                                                              NULL
 worker 41 ×
 98 •
        select * from worker where FIRST_NAME like "%a";
        select * from worker where FIRST_NAME like "%h" AND length(FIRST_NAME) = 6;
100 •
        -- question 19
        select * from worker where salary<500000 and salary>100000;
102 •
Edit: 🔏 🖶 🖶 Export/Import: 🙀 🐻 | Wrap Cell Content
             FIRST_NAME LAST_NAME
                                            JOINING DATE
                                                             DEPARTMENT
                                    SALARY
                                    300000
                                            2014-02-20 09:00:00
                         Singhal
                                            2014-06-11 09:00:00 Account
             Vipul
                         Diwan
                                    200000
 NULL
             NULL
                         NULL
                                    NULL
                                                             NULL
           -- question i/
           select * from worker where FIRST_NAME like "%a";
   98 •
   99
           select * from worker where FIRST NAME like "%h" AND length(FIRST NAME) = 6;
  100 •
           -- question 19
  101
  102 •
           select * from worker where salary<500000 and salary>100000;
           -- question 20
  103
           select * from worker where JOINING DATE like '2014-02%';
  104 •
 Edit: 🚄 🖶 🖶 Export/Import: 识 👸 Wrap Cell (
     WORKER ID
                                                JOINING DATE
                                                                  DEPARTMENT
                FIRST NAME
                                        SALARY
                            LAST NAME
                                                2014-02 2014-02-20 09:00:00
                Monika
                            Arora
                                        100000
                Vishal
                                               2014-02-20 09:00:00 HR
     3
                            Singhal
                                       300000
                Amitabh
                                       500000
                                               2014-02-20 09:00:00
                            Singh
    NULL
                                                                 NULL
                            NULL
                                       NULL
 worker 48 ×
```

```
-- question 19
101
102 • select * from worker where salary<500000 and salary>100000;
       -- question 20
103
104 •
        select * from worker where JOINING DATE like '2014-02%';
105
        -- question 21
        select count(*) from worker where DEPARTMENT = "Admin";
106 •
                                        Export: Wrap Cell Content: IA
count(*)
 104
      Select * from worker where JUINING_DAIL like 2014-02% ;
       -- question 21
105
106 • select count(*) from worker where DEPARTMENT = "Admin";
        -- question 22
107
        select FIRST_NAME from worker where salary>=50000 and salary <=100000;
 108 •
                                   Export: Wrap Cell Content: 1A
FIRST_NAME
  Monika
  Niharika
   Satish
   Geetika
worker 54 ×
Output ::::
Action Output
```

Massage

Time Action

```
100 Select count(") from worker where DEPAKIMENI = Admin;
107
        -- question 22
        select FIRST_NAME from worker where salary>=50000 and salary <=100000;
108
        -- question 23
109
        select DEPARTMENT, count(*) from worker group by department order by department desc;
110 •
                                           Export: Wrap Cell Content: TA
DEPARTMENT
              count(*)
               2
  Admin
  Account
               2
select FIRST_NAME from worker where salary>=50000 and salary <=100000;</pre>
  108 •
  109
         -- 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 = "Manage
  113 •
         show tables;
 Export: Wrap Cell Content: IA
                                                                                               DEPARTMENT WORKER_REF_ID WORKER_TITLE
    WORKER_ID FIRST_NAME LAST_NAME SALARY JOINING_DATE
                                                                                             AFFEC
                                         2014-02-20 09:00:00
                                                                                             2016-02
              Monika
                        Arora
                                  100000
                                                        HR
                                                                   1
                                                                                 Manager
   5
                                  500000 2014-06-11 09:00:00 Admin
                                                                   5
                                                                                 Manager
                                                                                             2016-0
 Result 79 ×
                                                                                        Read Only
 Output :
 Action Output
  # Time
                                                                    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 = "N
 113
         -- question 25
        select * from worker,title where WORKER_REF_ID = WORKER_ID;
 114 •
 115 •
         show tables;
 116 •
        select * from bonus;
        select * from title;
        select * from worker;
 118 •
                                                                                                    Export: Wrap Cell Content: IA
 WORKER_ID FIRST_NAME LAST_NAME SALARY JOINING_DATE
                                                          DEPARTMENT WORKER_REF_ID WORKER_TITLE
                                                                                                  AFF
                                          2014-02-20 09:00:00 HR
   1
              Monika
                         Arora
                                    100000
                                                                                     Manager
                                                                                                  201f
                                   80000 2014-06-11 09:00:00 Admin
   2
              Niharika
                         Verma
                                                                                     Executive
                                                                                                  201f
                         Singhal
                                   300000 2014-02-20 09:00:00
                                                                                     Lead
    4
              Amitabh
                         Singh
                                   500000 2014-02-20 09:00:00
                                                                                     Asst. Manager
                                                                                                 2016
 Result 83 ×
                                                                                            Read Only
 Output:
 Action Output
```

```
select * from worker,title where WORKER_REF_ID = WORKER_ID;
 115
          -- question 26
          select * from worker where WORKER ID % 2 = 1;
 116 •
                                             Edit: 🝊 🖶 🖶 Export/Import: 🙀 🖔 Wrap
Result Grid
                Filter Rows:
    WORKER ID
                FIRST NAME
                             LAST NAME
                                         SALARY JOINING DATE
                                                                    DEPARTMENT
                Monika
                            Arora
                                        100000
                                                 2014-02-20 09:00:00
                                                                   HR
    1
    3
                Vishal
                            Singhal
                                                2014-02-20 09:00:00
                                        300000
    5
                Vivek
                            Bhati
                                        500000
                                                 2014-06-11 09:00:00
                                                                   Admin
                                        75000
                Satish
                                                 2014-01-20 09:00:00
                            Kumar
                                                                   Account
   NULL
                                        NULL
worker 94 ×
111
          -- question 24
112 •
          select * from worker join title on worker.WORKER ID = title.WORKER REF
         -- question 25
113
         select * from worker,title where WORKER_REF_ID = WORKER_ID;
114 •
         -- question 26
115
          select * from worker where WORKER ID % 2 = 1;
116 •
          -- question 27
117
118 •
          select * from worker where WORKER ID % 2 = 0;
Result Grid
                                            Edit: 🚄 📆 Export/Import: 🙀 🦝 Wra
               Filter Rows:
   WORKER ID
               FIRST_NAME
                            LAST_NAME
                                        SALARY JOINING_DATE
                                                                    DEPARTMENT
               Niharika
                                        80000
                                                 2014-06-11 09:00:00
                                                                    Admin
   2
                            Verma
   4
                                                                    Admin
               Amitabh
                            Singh
                                        500000
                                                2014-02-20 09:00:00
   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
worker 95 x
```

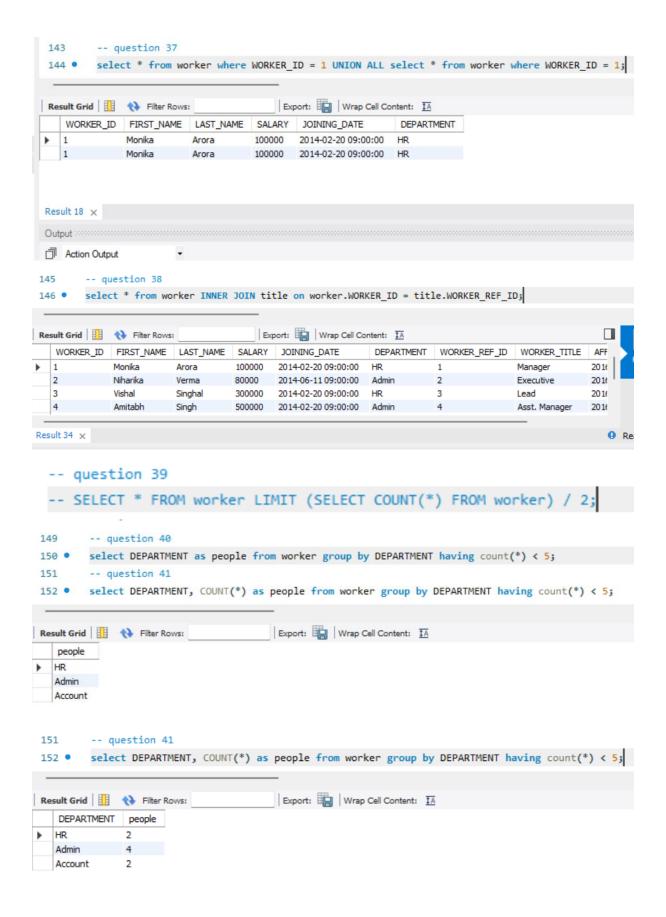
```
-- question 28
   create table Cloned_table like worker;
   show tables;
   select * from bonus;
   select * from title;
   select * from worker;
ion Output
  Time
         Action
                                                                          Message
3 21:05:39 select *from worker where 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;
         -- question 28
 119
 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;
                                                                                                         Export: Wrap Cell Content: IA
 WORKER_ID FIRST_NAME LAST_NAME SALARY JOINING_DATE
                                                              DEPARTMENT WORKER_REF_ID WORKER_TITLE AFF
               Monika
                                     100000 2014-02-20 09:00:00
                                                              HR
                                                                                                       2016
                          Arora
                                                                                         Manager
    1
                                                                           1
    2
               Niharika
                          Verma
                                     80000
                                             2014-06-11 09:00:00 Admin
                                                                           2
                                                                                         Executive
                                                                                                       2016
    3
               Vishal
                          Singhal
                                     300000 2014-02-20 09:00:00
                                                              HR
                                                                                         Lead
                                                                                                       201f
                          Singh
                                     500000 2014-02-20 09:00:00 Admin
              Amitabh
                                                                           4
                                                                                         Asst. Manager
    4
                                                                                                       201f
 Result 97 ×
                                                                                                 Read Only
 Output ::::::
 Action Output
  # Time
               Action
                                                                            Message
    121 • create table Cloned_table like worker;
  122
          -- question 29
  123 • select * from worker inner join title on worker.WORKER_ID = title.WORKER_REF_ID;
  124
          -- guestion 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;
   Export: Wrap Cell Content: IA
  WORKER_ID FIRST_NAME LAST_NAME SALARY JOINING_DATE DEPARTMENT
 Result 6 x
                                                                                                    Read O
 Action Output
```

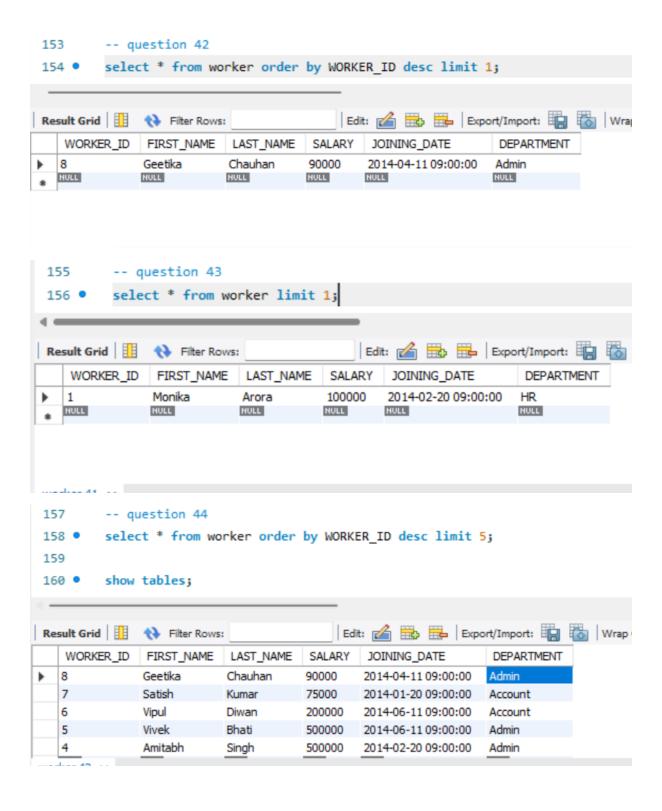
Message

Time Action

```
124 -- question 30
           select worker.* from worker left j
 125 •
            -- question 31
 126
            select current timestamp;
 127 •
 current_timestamp
    2024-06-09 10:52:35
 Result 7 ×
        -- question 31
126
        select current_timestamp;
127 •
128
       -- question 32
        select * from worker limit 10;
129 •
130
        show tables;
131 •
                                    | Edit: 🚄 🖶 🖶 | Export/Import: 🏢
WORKER_ID FIRST_NAME LAST_NAME
                                  SALARY JOINING_DATE
                                                         DEPARTMENT
             Monika
                       Arora
                                 100000
                                        2014-02-20 09:00:00
                                                        HR
  2
             Niharika
                                                        Admin
                       Verma
                                 80000
                                        2014-06-11 09:00:00
  3
             Vishal
                       Singhal
                                 300000
                                        2014-02-20 09:00:00
             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
       select * from worker limit 10;
129 •
130
        -- question 33
        select distinct(salary) from worker order by salary desc limit 1 offset 4;
131 •
                                                                                 114
                                       Export: Wrap Cell Content: TA Fetch rows:
salary
 90000
         -- question 35
134
135 • ⊖ select FIRST_NAME, LAST_NAME, SALARY from Worker where SALARY in (
             select SALARY
136
137
             from Worker
             group by SALARY
138
             having COUNT(*) > 1
139
140
         );
                                         Export: Wrap Cell Content: IA
FIRST_NAME LAST_NAME
                          SALARY
   Amitabh
               Singh
                          500000
   Vivek
               Bhati
                          500000
          group by SALAKY
138
139
          having COUNT(*) > 1
      );
140
141
       -- question 36
       select max(SALARY) as sec_high from worker where SALARY < ( select max(SALARY)from worker);</pre>
Export: Wrap Cell Content: IA
   sec_high
300000
Result 16 ×
Output ::
Action Output
```





```
159
      -- question 45
160 •
       select w.DEPARTMENT, w.FIRST_NAME, w.LAST_NAME, w.SALARY
       from worker w
161
   ⊖ join (
162
          select DEPARTMENT, max(SALARY) as max_salary
163
164
          from worker
          group by DEPARTMENT
165
      ) max salaries
       on w.DEPARTMENT = max_salaries.DEPARTMENT and w.SALARY = max_salaries.max_salary;
167
Export: Wrap Cell Content: TA
  DEPARTMENT FIRST_NAME LAST_NAME
                              SALARY
            Vishal
                      Singhal
                               300000
  Admin
            Amitabh
                      Singh
                               500000
  Admin
            Vivek
                      Bhati
                               500000
            Vipul
                      Diwan
                               200000
  Account
168
        -- question 46
        select distinct(SALARY) from worker order by SALARY desc limit 3;
169 •
170
        -- question 47
        select SALARY from worker order by SALARY limit 3;
171 •
                                     Export: Wrap Cell Content: TA Fetch rows:
SALARY
  500000
  300000
  200000
          -- question 47
170
           select SALARY from worker order by SALARY limit 3;
                                                 Export: Wrap Cell Content:
SALARY
    75000
    80000
    90000
        -- question 48
        select distinct SALARY from worker order by SALARY desc limit 5, 1;
                                       Export: Wrap Cell Content: TA Fetch rows:
SALARY
  80000
```

```
174
           -- question 49
           select DEPARTMENT, sum(SALARY) from worker group by DEPARTMENT;
 175 •
 Export: Wrap Cell Content: TA
    DEPARTMENT
                 sum(SALARY)
                  400000
    Admin
                  1170000
    Account
                  275000
         -- question 50
         select FIRST_NAME from worker where SALARY = (select max(salary) from worker);
                                       Export: Wrap Cell Content: IA
 Result Grid
             Filter Rows:
   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;
```

```
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);
```