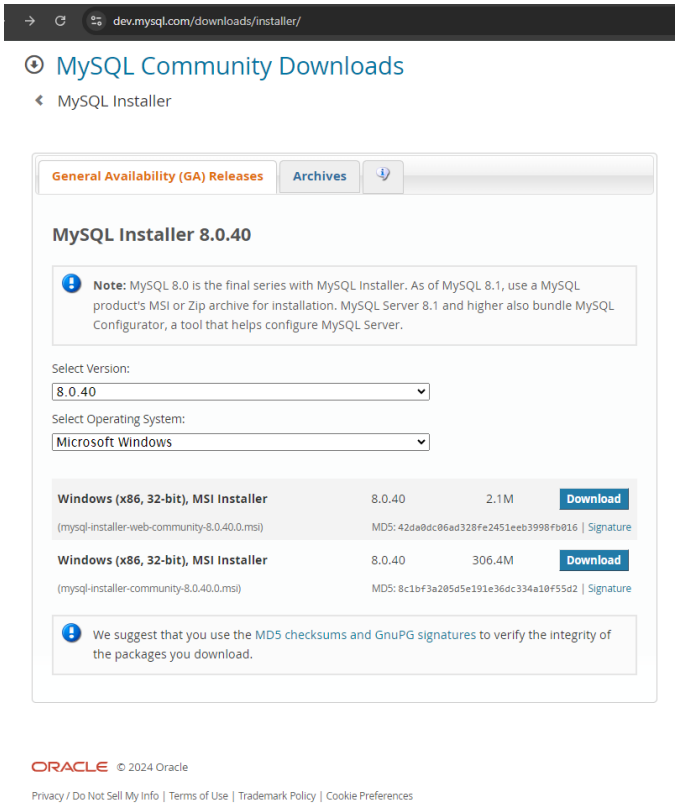
Document highlight:

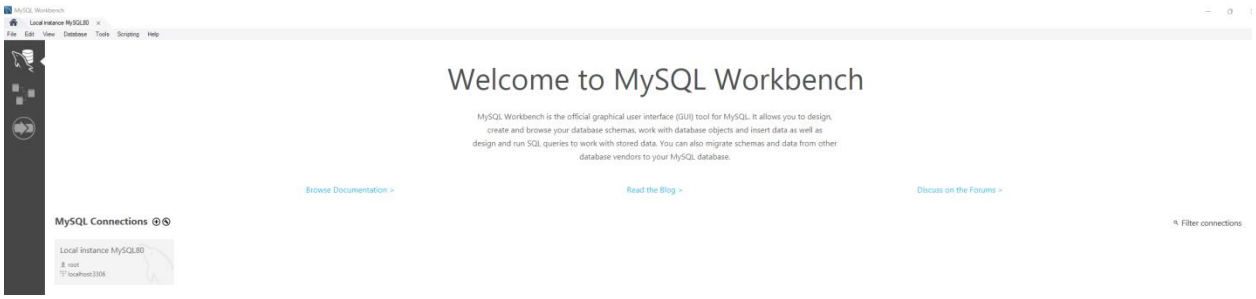
- SELECT statement
- SELECT + WHERE statement
  - Logical operators (AND /OR)
  - Wildcards (“%” and “_”)
- SELECT + WHERE statement
  - Group By and Order By
  - Aggregate functions (ie., AVG, MIN, MAX, COUNT)
- SELECT + WHERE + HAVING statement
- LIMIT and ALIASING in MySQL

1. Setup MySQL Workbench (community)

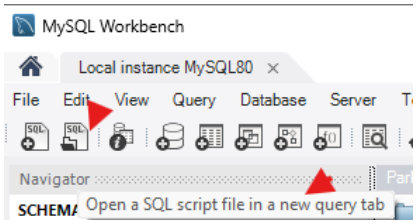
Download: and install (follow installation guide):
https://dev.mysql.com/downloads/installer/



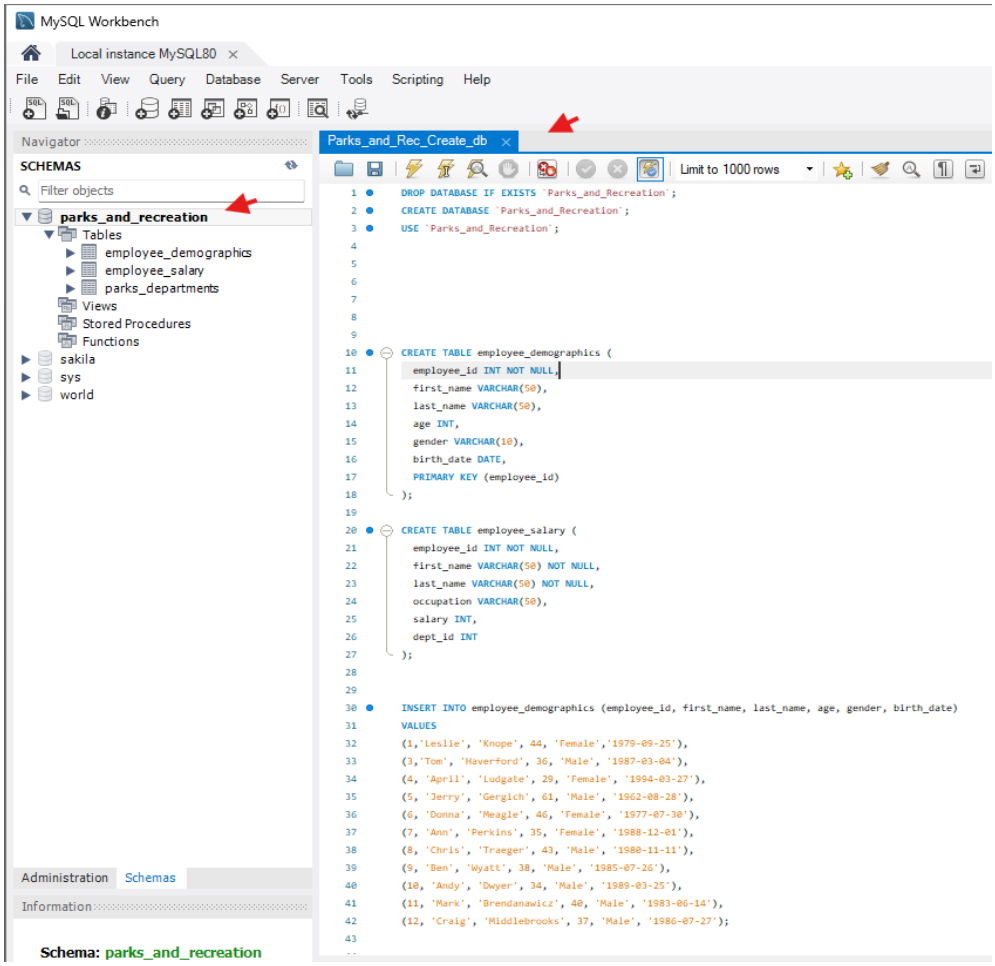
MySQL home screen



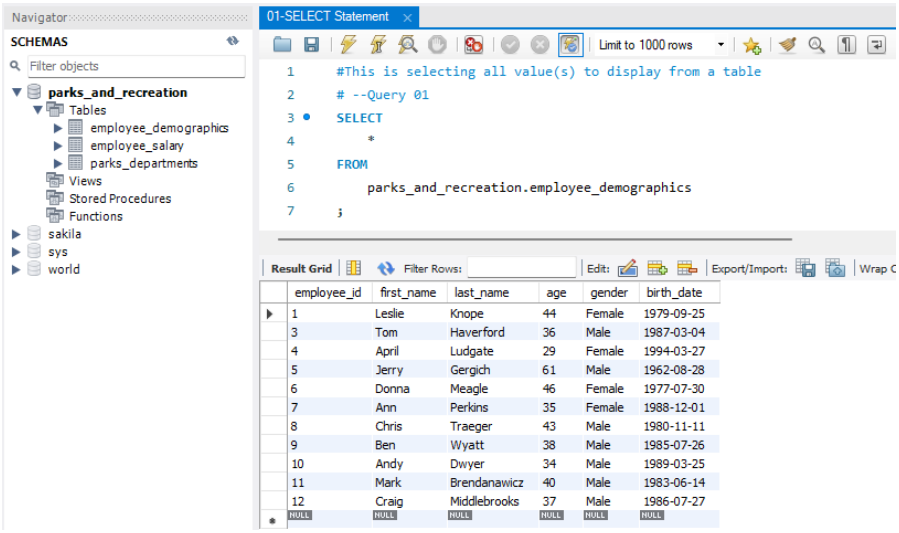
2. Create a database (create tables and load the set of data into it)

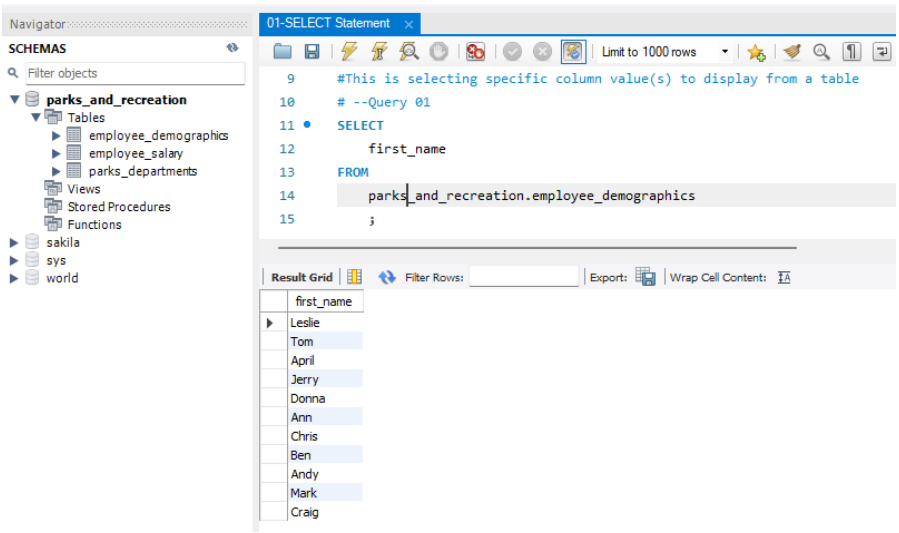


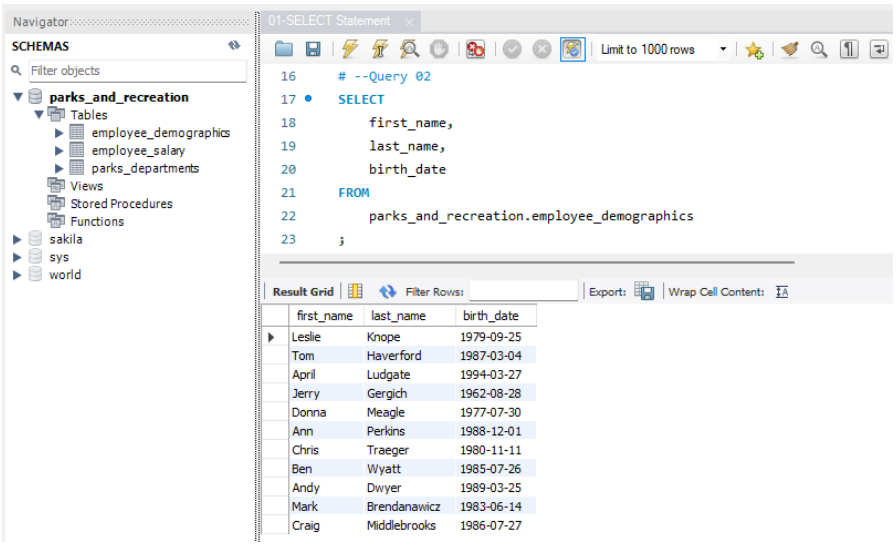
After running the script:

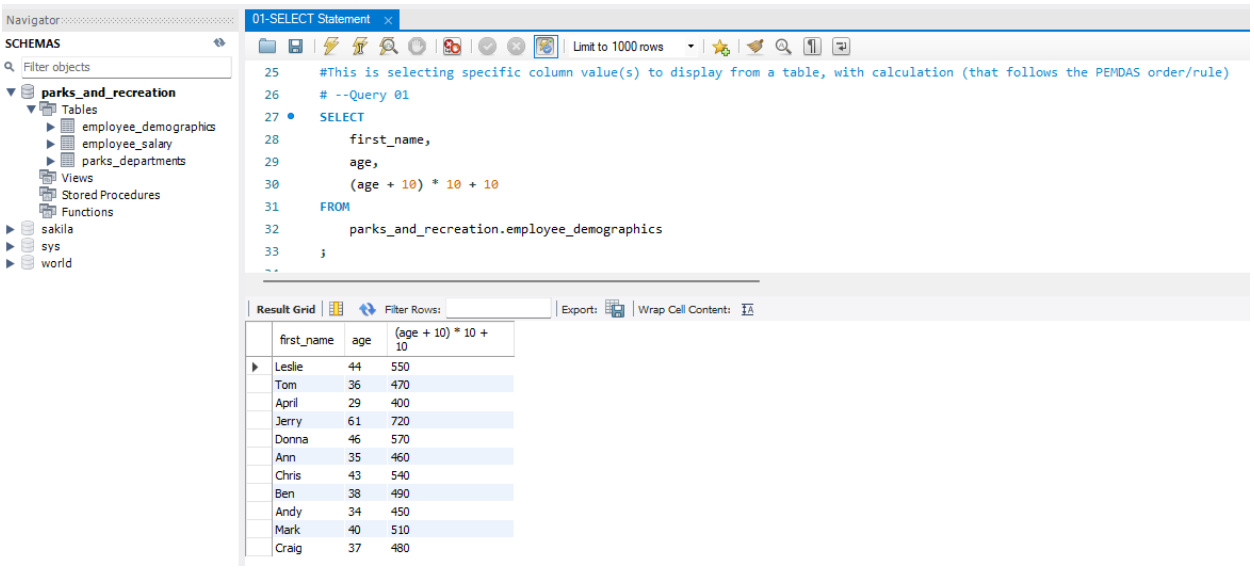


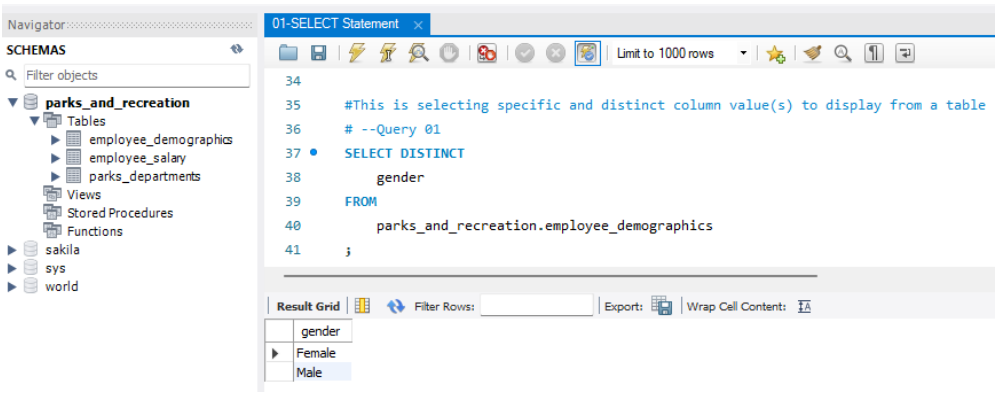
3. SELECT statement (flavors of queries and its sampling output)






Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
01-SELECT Statement
Limit to 1000 rows
16 # --Query 02
17 SELECT
18 first_name,
19 last_name,
20 birth_date
21 FROM
22 parks_and_recreation.employee_demographics
23 ;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
first_name last_name birth_date
Leslie Knope 1979-09-25
Tom Haverford 1987-03-04
April Ludgate 1994-03-27
Jerry Gergich 1962-08-28
Donna Meagle 1977-07-30
Ann Perkins 1988-12-01
Chris Traeger 1980-11-11
Ben Wyatt 1985-07-26
Andy Dwyer 1989-03-25
Mark Brendanawicz 1983-06-14
Craig Middlebrooks 1986-07-27


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
01-SELECT Statement
Limit to 1000 rows
25 #This is selecting specific column value(s) to display from a table, with calculation (that follows the PEMDAS order/rule)
26 # --Query 01
27 SELECT
28 first_name,
29 age,
30 (age + 10) * 10 + 10
31 FROM
32 parks_and_recreation.employee_demographics
33 ;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
first_name age (age + 10) * 10 + 10
Leslie 44 550
Tom 36 470
April 29 400
Jerry 61 720
Donna 46 570
Ann 35 460
Chris 43 540
Ben 38 490
Andy 34 450
Mark 40 510
Craig 37 480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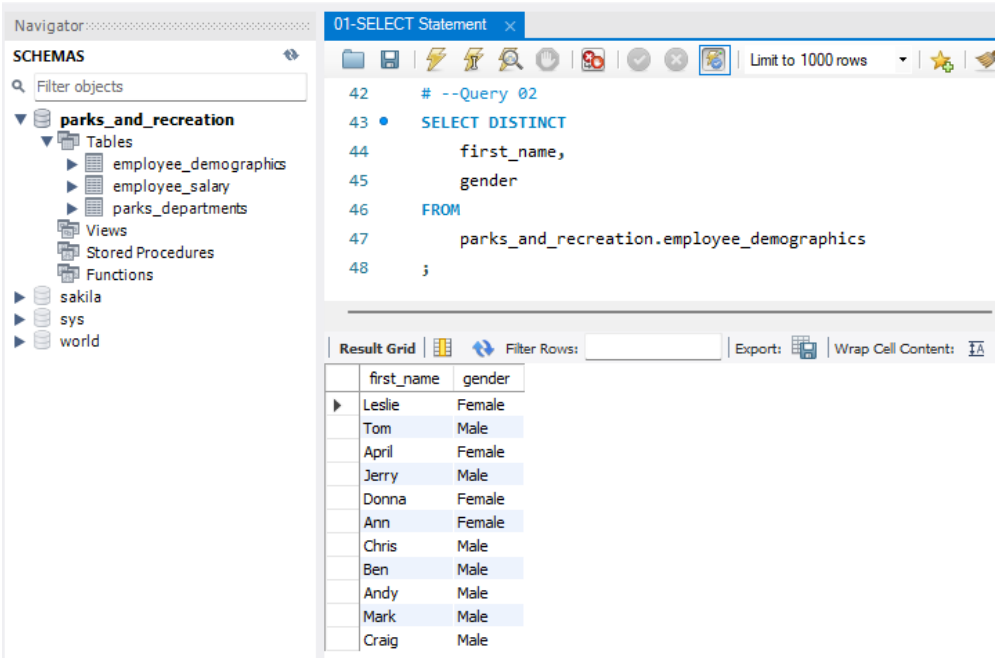
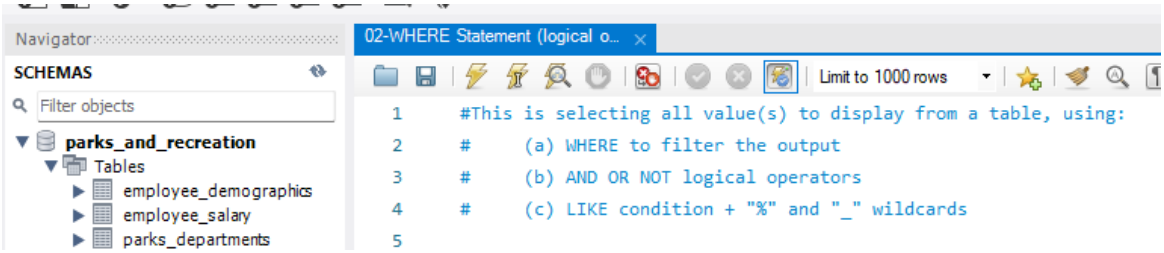
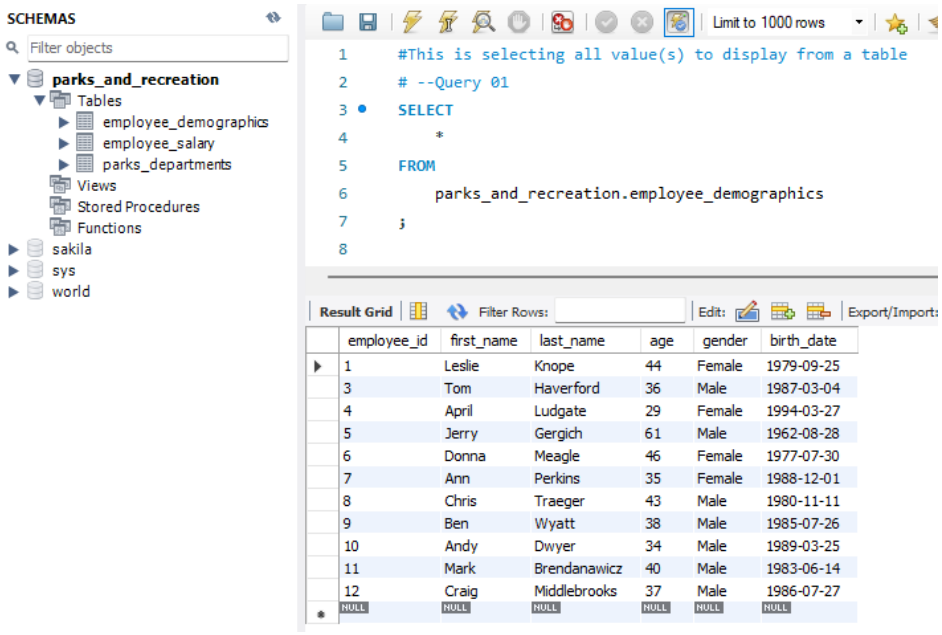
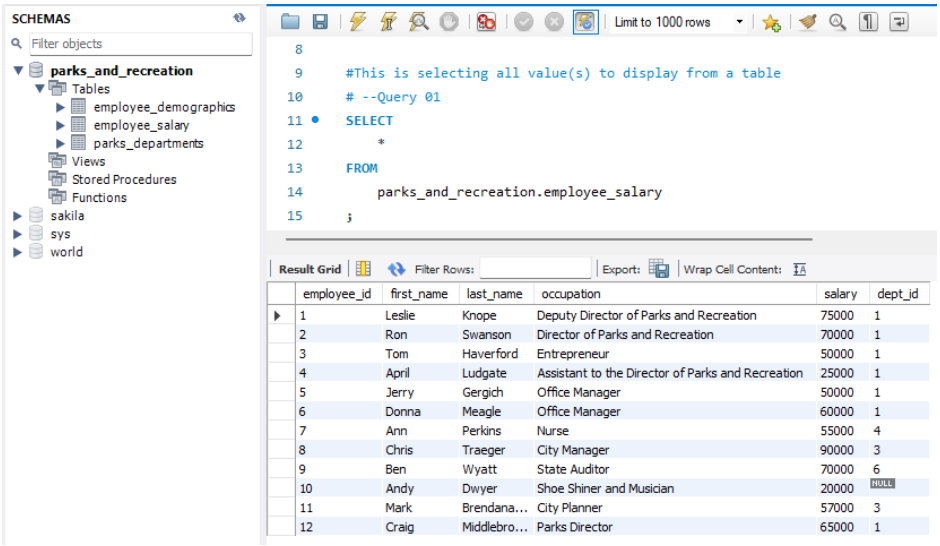
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
01-SELECT Statement
Limit to 1000 rows
34
35 #This is selecting specific and distinct column value(s) to display from a table
36 # --Query 01
37 SELECT DISTINCT
38 gender
39 FROM
40 parks_and_recreation.employee_demographics
41 ;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
gender
Female
Male

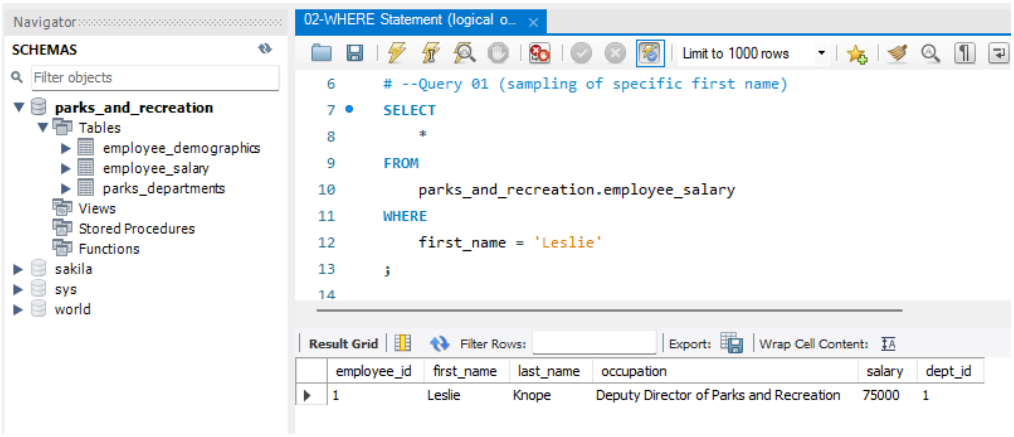


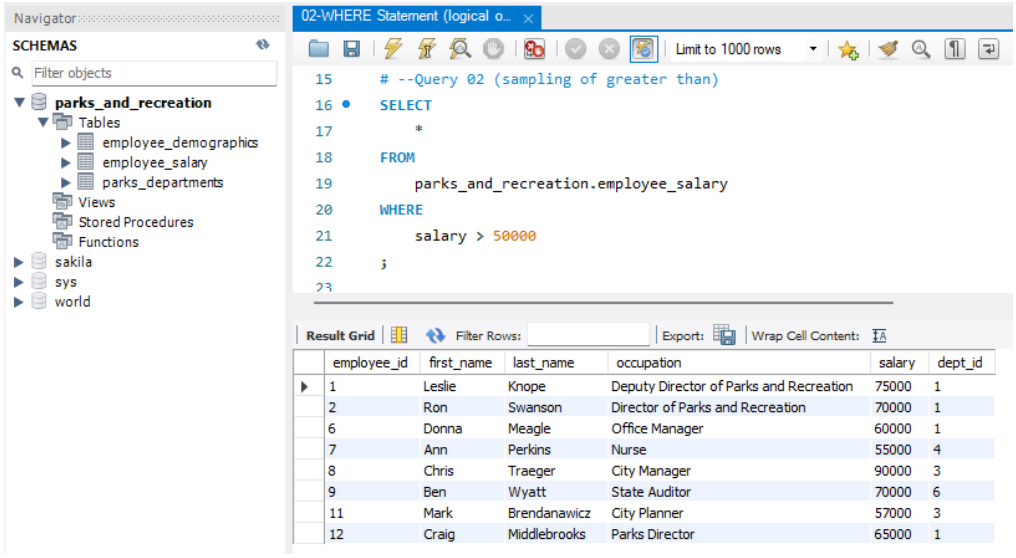
4. SELECT + WHERE statement (flavors of queries, logical operators (AND /OR), wildcards (“%” and “_”), and its sampling output)

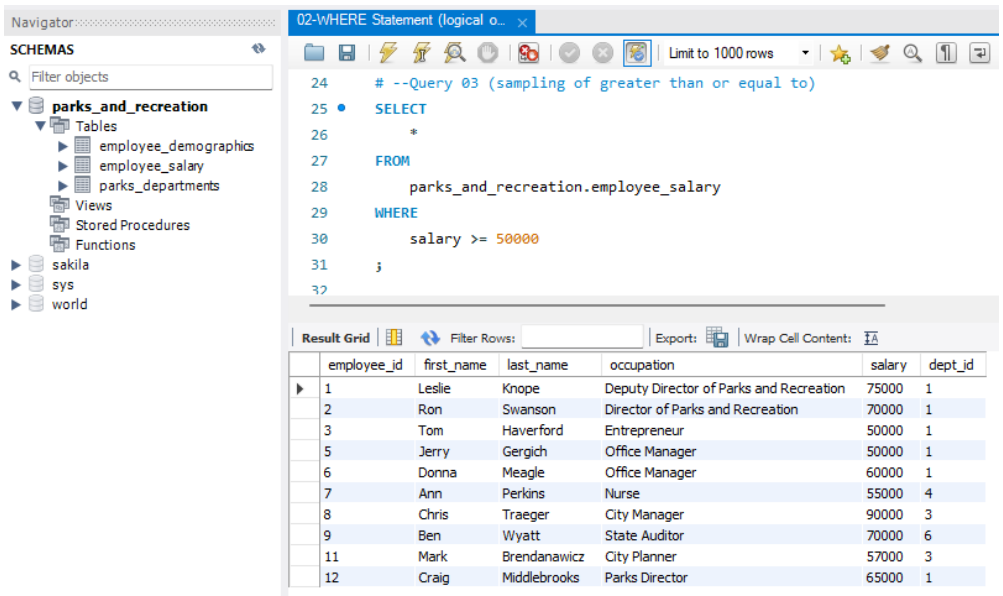


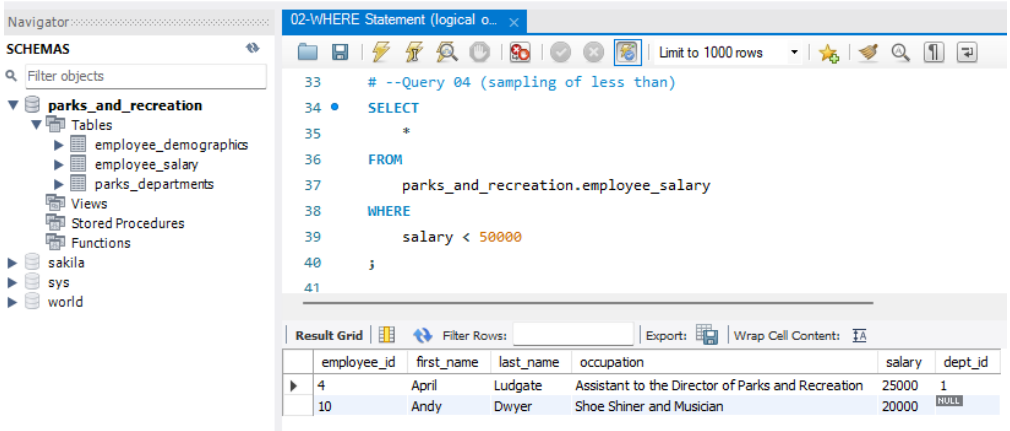

SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
Limit to 1000 rows
#This is selecting all value(s) to display from a table
--Query 01
SELECT
*
FROM
parks_and_recreation.employee_demographics
;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id | first_name | last_name | age | gender | birth_date
1 | Leslie | Knope | 44 | Female | 1979-09-25
3 | Tom | Haverford | 36 | Male | 1987-03-04
4 | April | Ludgate | 29 | Female | 1994-03-27
5 | Jerry | Gergich | 61 | Male | 1962-08-28
6 | Donna | Meagle | 46 | Female | 1977-07-30
7 | Ann | Perkins | 35 | Female | 1988-12-01
8 | Chris | Traeger | 43 | Male | 1980-11-11
9 | Ben | Wyatt | 38 | Male | 1985-07-26
10 | Andy | Dwyer | 34 | Male | 1989-03-25
11 | Mark | Brendanawicz | 40 | Male | 1983-06-14
12 | Craig | Middlebrooks | 37 | Male | 1986-07-27


SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
Limit to 1000 rows
#This is selecting all value(s) to display from a table
--Query 01
SELECT
*
FROM
parks_and_recreation.employee_salary
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employee_id | first_name | last_name | occupation | salary | dept_id
1 | Leslie | Knope | Deputy Director of Parks and Recreation | 75000 | 1
2 | Ron | Swanson | Director of Parks and Recreation | 70000 | 1
3 | Tom | Haverford | Entrepreneur | 50000 | 1
4 | April | Ludgate | Assistant to the Director of Parks and Recreation | 25000 | 1
5 | Jerry | Gergich | Office Manager | 50000 | 1
6 | Donna | Meagle | Office Manager | 60000 | 1
7 | Ann | Perkins | Nurse | 55000 | 4
8 | Chris | Traeger | City Manager | 90000 | 3
9 | Ben | Wyatt | State Auditor | 70000 | 6
10 | Andy | Dwyer | Shoe Shiner and Musician | 20000 | NULL
11 | Mark | Brendana… | City Planner | 57000 | 3
12 | Craig | Middlebro… | Parks Director | 65000 | 1


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o…
Limit to 1000 rows
--Query 01 (sampling of specific first name)
SELECT
*
FROM
parks_and_recreation.employee_salary
WHERE
first_name = 'Leslie'
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employee_id | first_name | last_name | occupation | salary | dept_id
1 | Leslie | Knope | Deputy Director of Parks and Recreation | 75000 | 1


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
15 # --Query 02 (sampling of greater than)
16 SELECT
17 *
18 FROM
19 parks_and_recreation.employee_salary
20 WHERE
21 salary > 50000
22 ;
23
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employee_id first_name last_name occupation salary dept_id
1 Leslie Knope Deputy Director of Parks and Recreation 75000 1
2 Ron Swanson Director of Parks and Recreation 70000 1
6 Donna Meagle Office Manager 60000 1
7 Ann Perkins Nurse 55000 4
8 Chris Traeger City Manager 90000 3
9 Ben Wyatt State Auditor 70000 6
11 Mark Brendanawicz City Planner 57000 3
12 Craig Middlebrooks Parks Director 65000 1


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
24 # --Query 03 (sampling of greater than or equal to)
25 SELECT
26 *
27 FROM
28 parks_and_recreation.employee_salary
29 WHERE
30 salary >= 50000
31 ;
32
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employee_id first_name last_name occupation salary dept_id
1 Leslie Knope Deputy Director of Parks and Recreation 75000 1
2 Ron Swanson Director of Parks and Recreation 70000 1
3 Tom Haverford Entrepreneur 50000 1
5 Jerry Gergich Office Manager 50000 1
6 Donna Meagle Office Manager 60000 1
7 Ann Perkins Nurse 55000 4
8 Chris Traeger City Manager 90000 3
9 Ben Wyatt State Auditor 70000 6
11 Mark Brendanawicz City Planner 57000 3
12 Craig Middlebrooks Parks Director 65000 1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Filter objects
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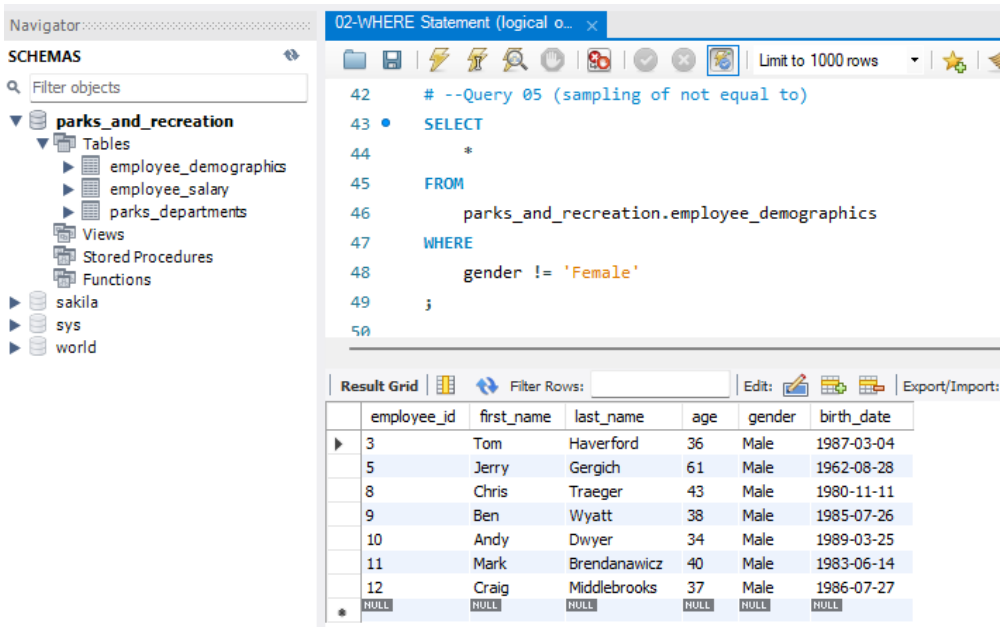
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
33 # --Query 04 (sampling of less than)
34 SELECT
35 *
36 FROM
37 parks_and_recreation.employee_salary
38 WHERE
39 salary < 50000
40 ;
41
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employee_id first_name last_name occupation salary dept_id
4 April Ludgate Assistant to the Director of Parks and Recreation 25000 1
10 Andy Dwyer Shoe Shiner and Musician 20000 NULL


Navigator
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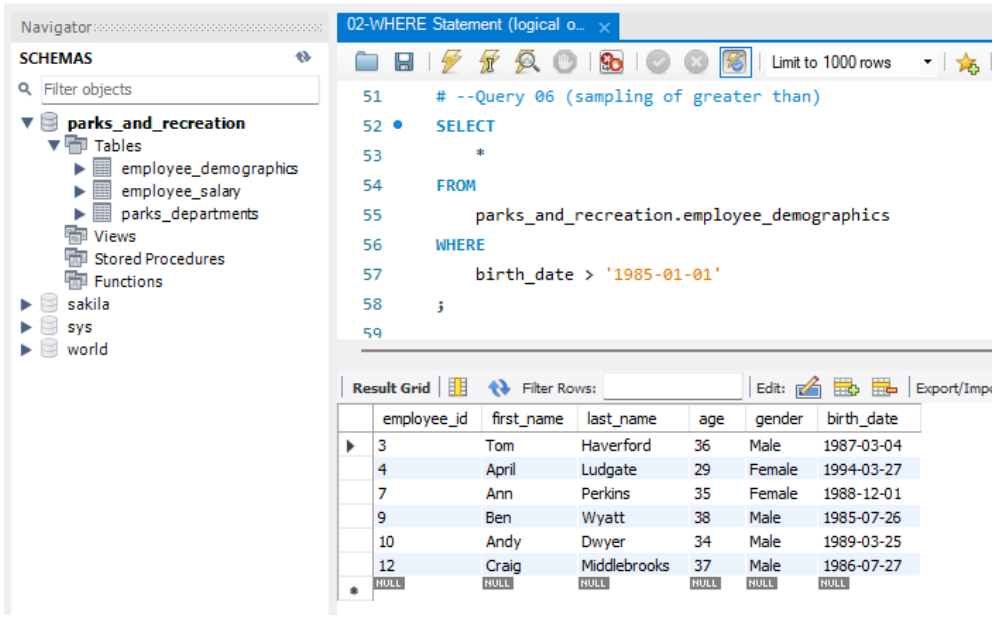
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
42 # --Query 05 (sampling of not equal to)
43 SELECT
44 *
45 FROM
46 parks_and_recreation.employee_demographics
47 WHERE
48 gender != 'Female'
49 ;
50
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
5 Jerry Gergich 61 Male 1962-08-28
8 Chris Traeger 43 Male 1980-11-11
9 Ben Wyatt 38 Male 1985-07-26
10 Andy Dwyer 34 Male 1989-03-25
11 Mark Brendanawicz 40 Male 1983-06-14
12 Craig Middlebrooks 37 Male 1986-07-27
NULL NULL NULL NULL NULL NULL


Navigator
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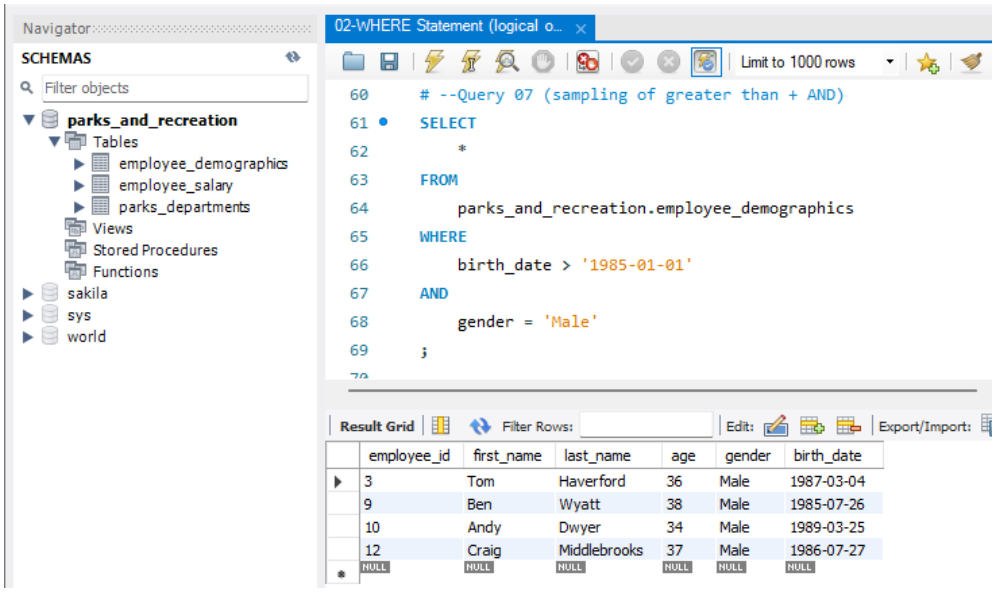
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
51 # --Query 06 (sampling of greater than)
52 SELECT
53 *
54 FROM
55 parks_and_recreation.employee_demographics
56 WHERE
57 birth_date > '1985-01-01'
58 ;
59
Result Grid
Filter Rows:
Edit:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
4 April Ludgate 29 Female 1994-03-27
7 Ann Perkins 35 Female 1988-12-01
9 Ben Wyatt 38 Male 1985-07-26
10 Andy Dwyer 34 Male 1989-03-25
12 Craig Middlebrooks 37 Male 1986-07-27
NULL NULL NULL NULL NULL NULL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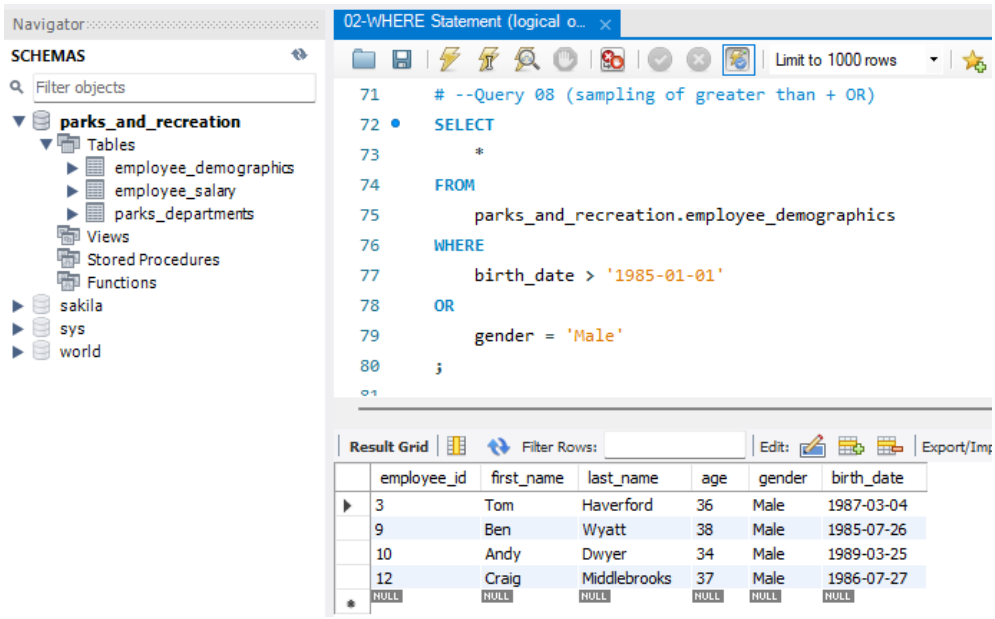
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
60 # --Query 07 (sampling of greater than + AND)
61 SELECT
62 *
63 FROM
64 parks_and_recreation.employee_demographics
65 WHERE
66 birth_date > '1985-01-01'
67 AND
68 gender = 'Male'
69 ;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
9 Ben Wyatt 38 Male 1985-07-26
10 Andy Dwyer 34 Male 1989-03-25
12 Craig Middlebrooks 37 Male 1986-07-27
NULL NULL NULL NULL NULL NULL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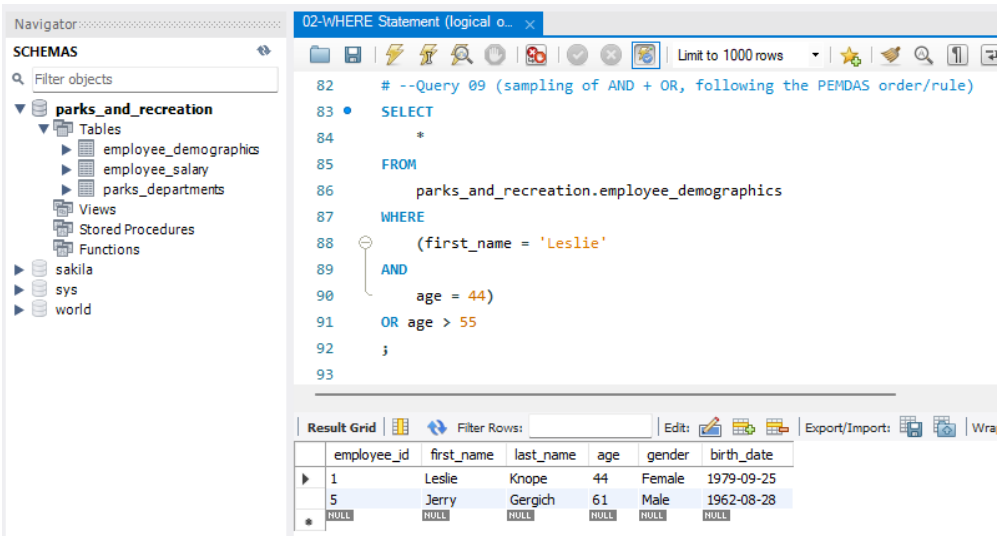
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
71 # --Query 08 (sampling of greater than + OR)
72 SELECT
73 *
74 FROM
75 parks_and_recreation.employee_demographics
76 WHERE
77 birth_date > '1985-01-01'
78 OR
79 gender = 'Male'
80 ;
Result Grid
Filter Rows:
Edit:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
9 Ben Wyatt 38 Male 1985-07-26
10 Andy Dwyer 34 Male 1989-03-25
12 Craig Middlebrooks 37 Male 1986-07-27
NULL NULL NULL NULL NULL NULL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Tables
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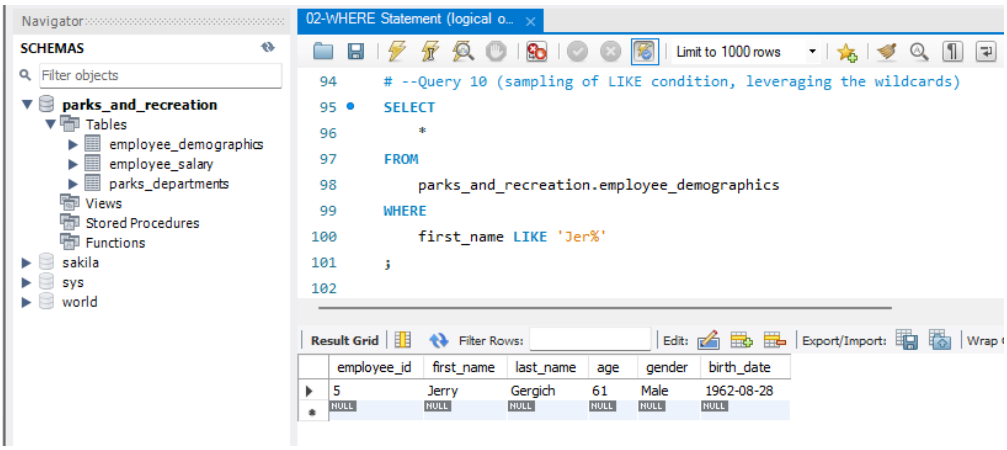
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
82 # --Query 09 (sampling of AND + OR, following the PEMDAS order/rule)
83 SELECT
84 *
85 FROM
86 parks_and_recreation.employee_demographics
87 WHERE
88 (first_name = 'Leslie'
89 AND
90 age = 44)
91 OR age > 55
92 ;
93
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
1 Leslie Knope 44 Female 1979-09-25
5 Jerry Gergich 61 Male 1962-08-28
NULL NULL NULL NULL NULL NULL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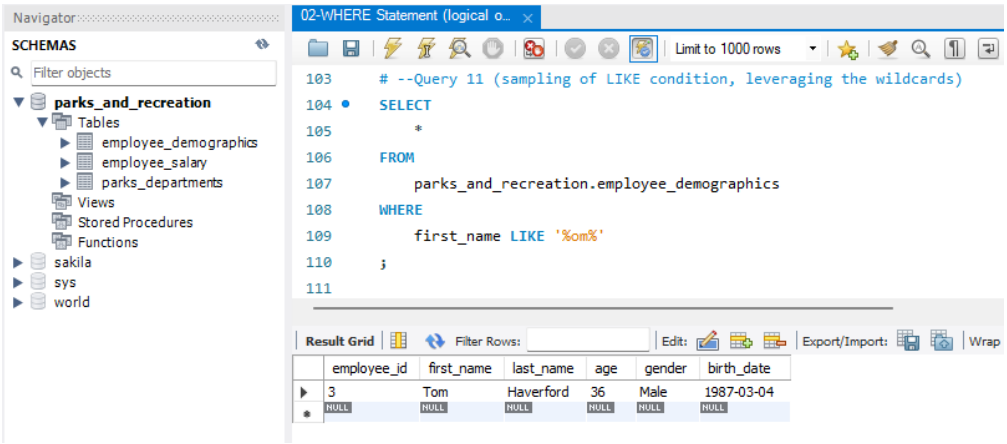
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
94 # --Query 10 (sampling of LIKE condition, leveraging the wildcards)
95 SELECT
96 *
97 FROM
98 parks_and_recreation.employee_demographics
99 WHERE
100 first_name LIKE 'Jer%'
101 ;
102
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
5 Jerry Gergich 61 Male 1962-08-28
NULL NULL NULL NULL NULL NULL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parks_departments
Views
Stored Procedures
Functions
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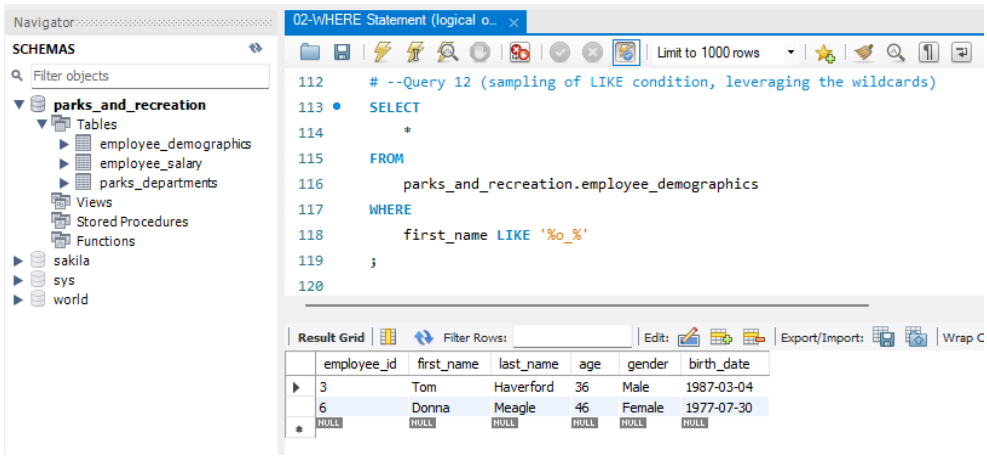
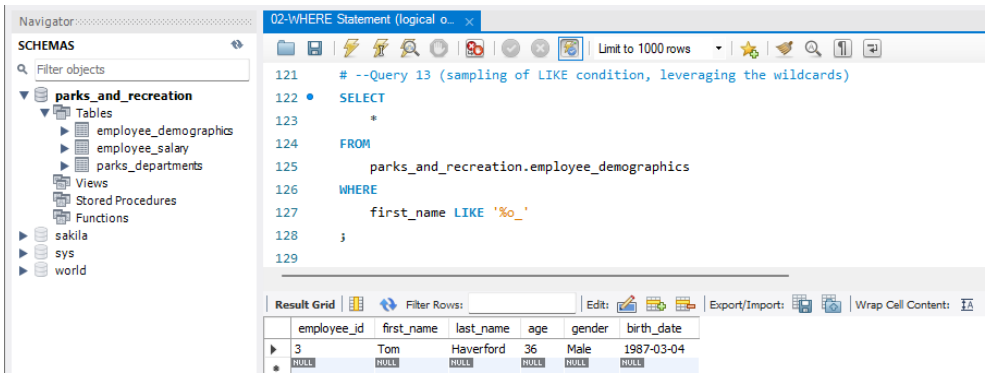
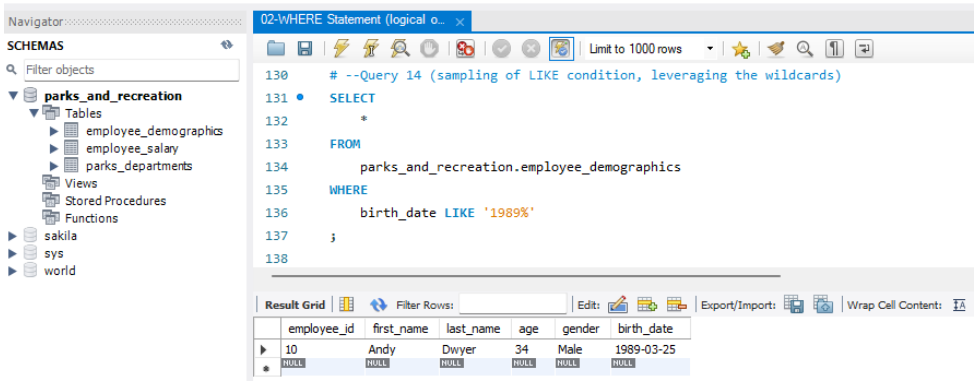
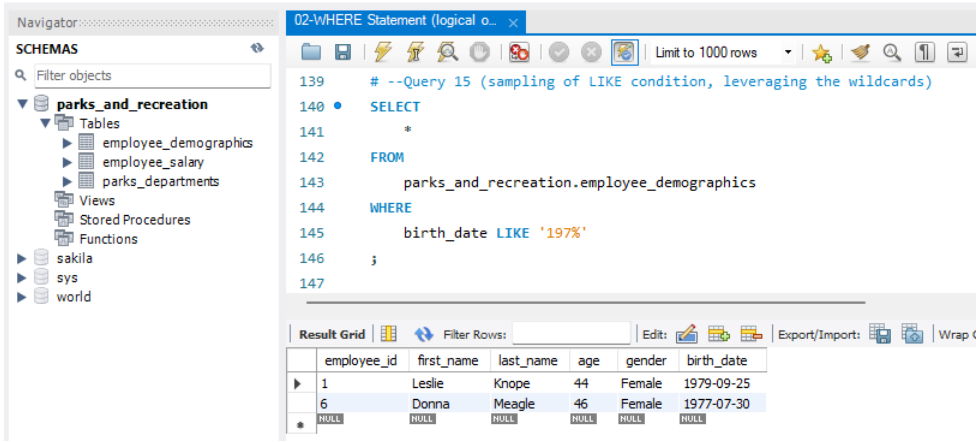
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
103 # --Query 11 (sampling of LIKE condition, leveraging the wildcards)
104 SELECT
105 *
106 FROM
107 parks_and_recreation.employee_demographics
108 WHERE
109 first_name LIKE '%om%'
110 ;
111
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
NULL NULL NULL NULL NULL NULL

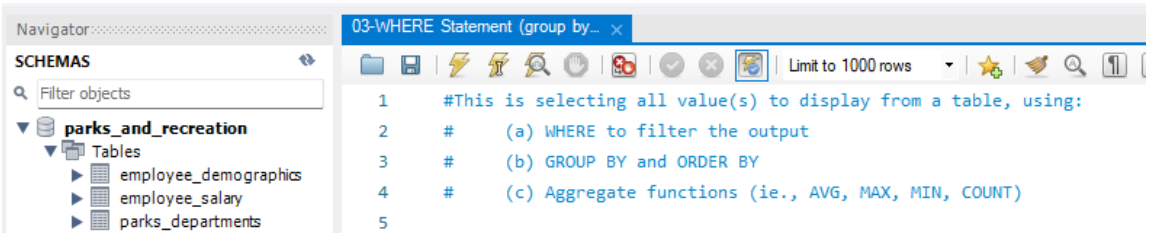

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
112 # --Query 12 (sampling of LIKE condition, leveraging the wildcards)
113 SELECT
114 *
115 FROM
116 parks_and_recreation.employee_demographics
117 WHERE
118 first_name LIKE '%o_%'
119 ;
120
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04
6 Donna Meagle 46 Female 1977-07-30

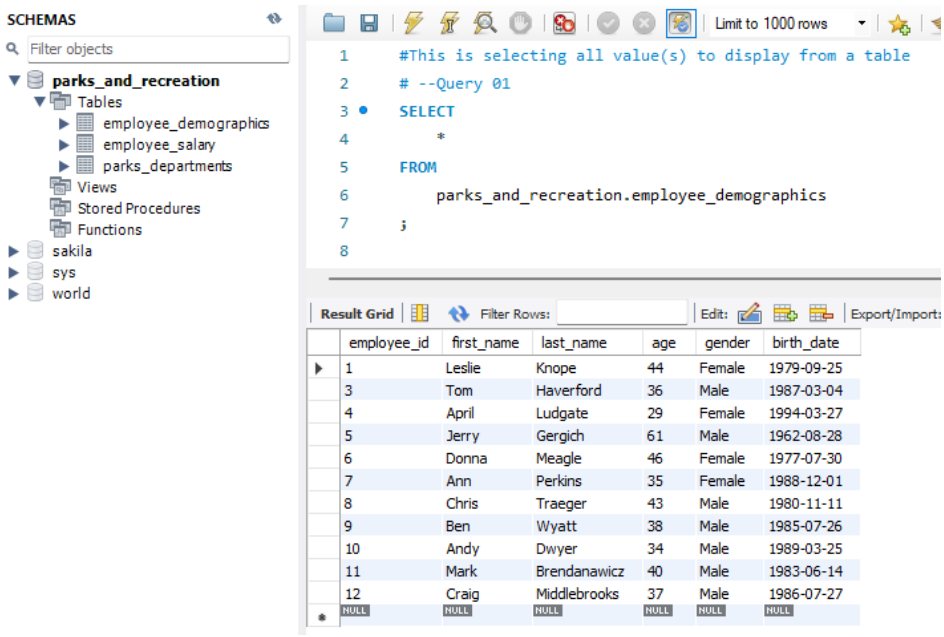

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
121 # --Query 13 (sampling of LIKE condition, leveraging the wildcards)
122 SELECT
123 *
124 FROM
125 parks_and_recreation.employee_demographics
126 WHERE
127 first_name LIKE '%o_'
128 ;
129
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
employee_id first_name last_name age gender birth_date
3 Tom Haverford 36 Male 1987-03-04

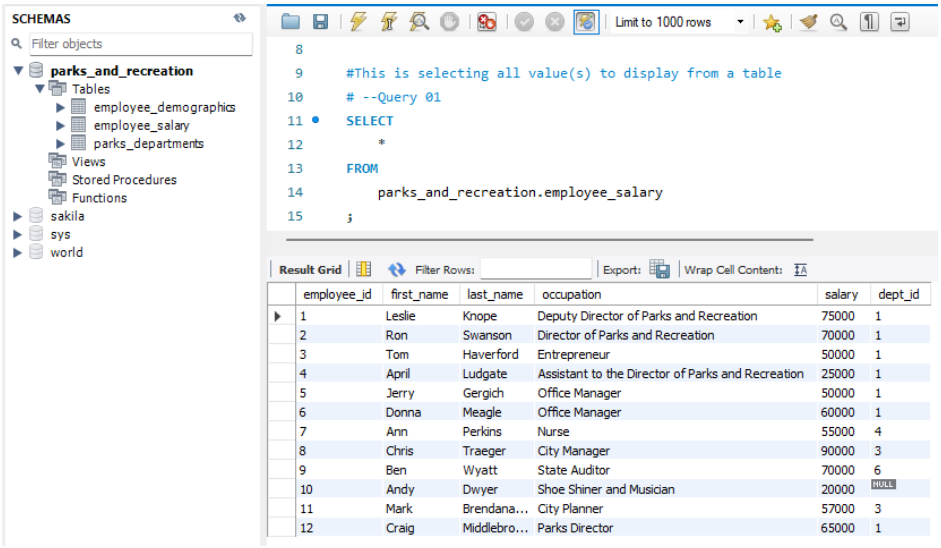

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
130 # --Query 14 (sampling of LIKE condition, leveraging the wildcards)
131 SELECT
132 *
133 FROM
134 parks_and_recreation.employee_demographics
135 WHERE
136 birth_date LIKE '1989%'
137 ;
138
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
employee_id first_name last_name age gender birth_date
10 Andy Dwyer 34 Male 1989-03-25

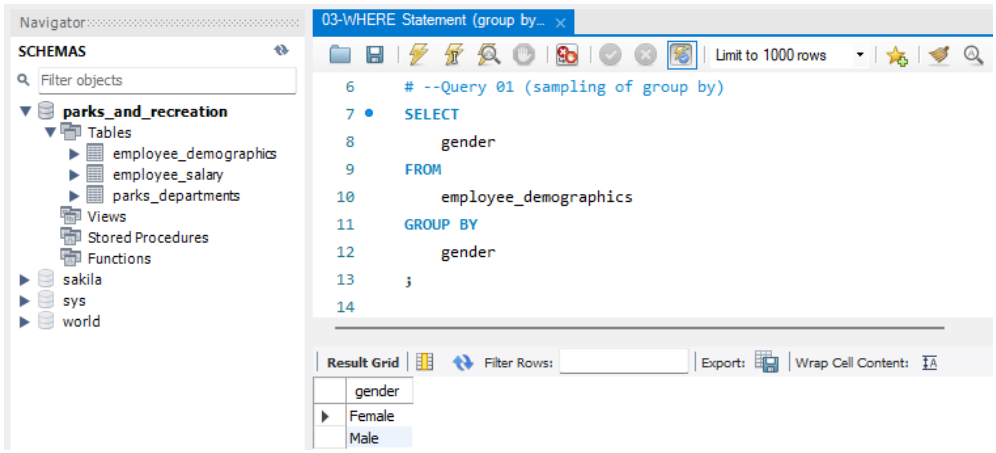

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
02-WHERE Statement (logical o...
Limit to 1000 rows
139 # --Query 15 (sampling of LIKE condition, leveraging the wildcards)
140 SELECT
141 *
142 FROM
143 parks_and_recreation.employee_demographics
144 WHERE
145 birth_date LIKE '197%'
146 ;
147
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
1 Leslie Knope 44 Female 1979-09-25
6 Donna Meagle 46 Female 1977-07-30

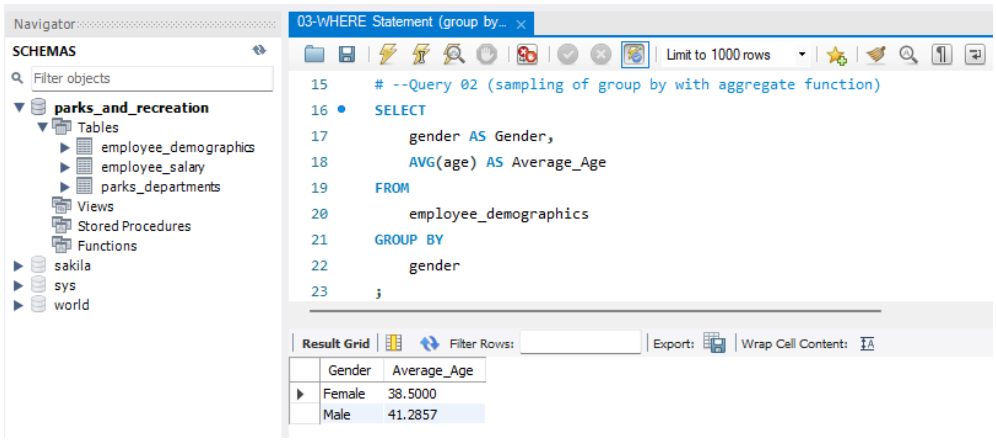
5. SELECT + WHERE statement (flavors of queries, Group By, Order By, aggregate functions (ie., AVG, MIN, MAX, COUNT), and its sampling output)

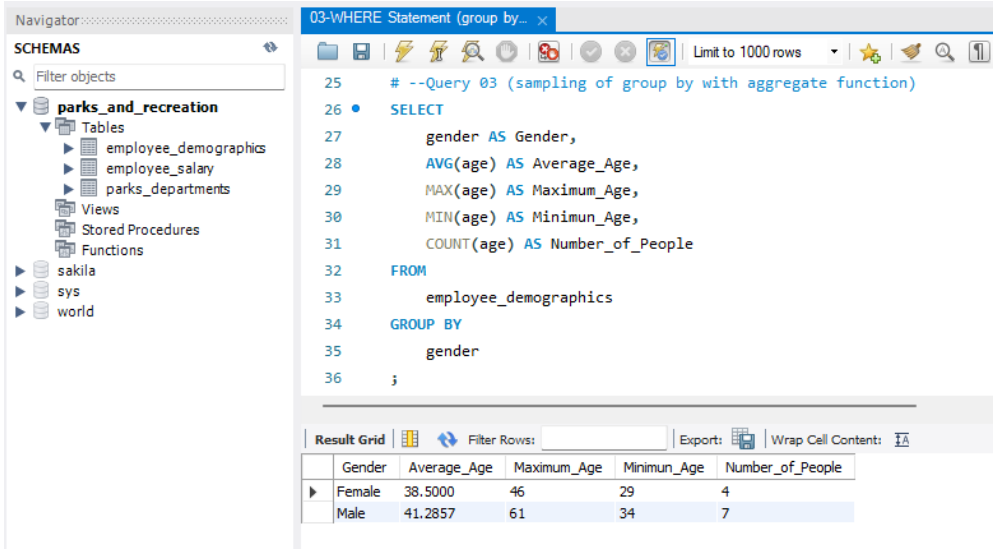


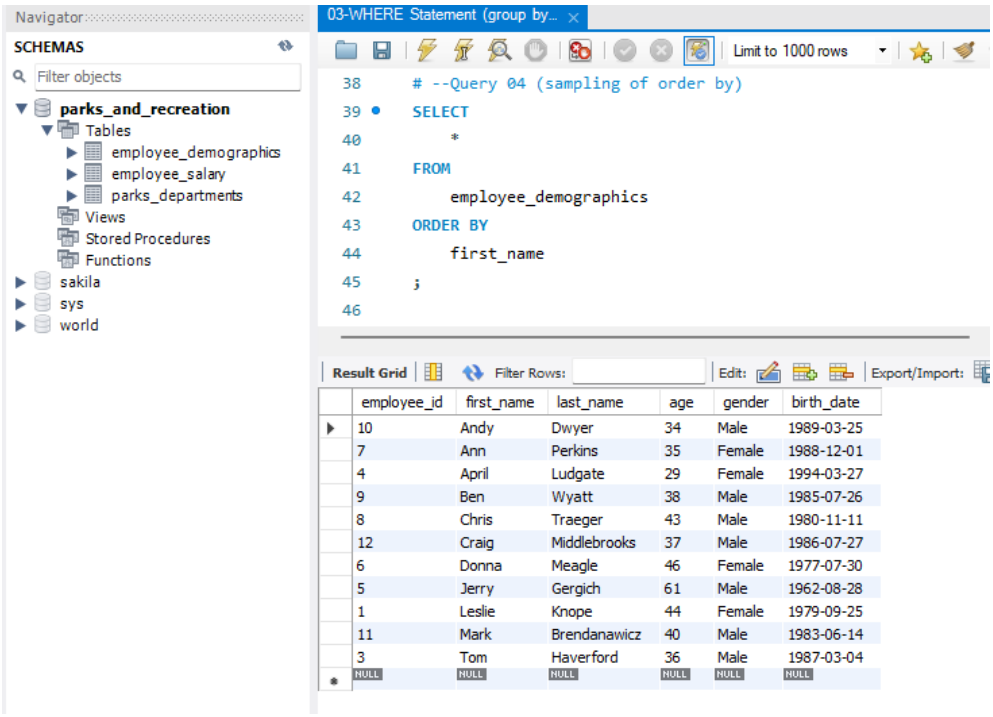


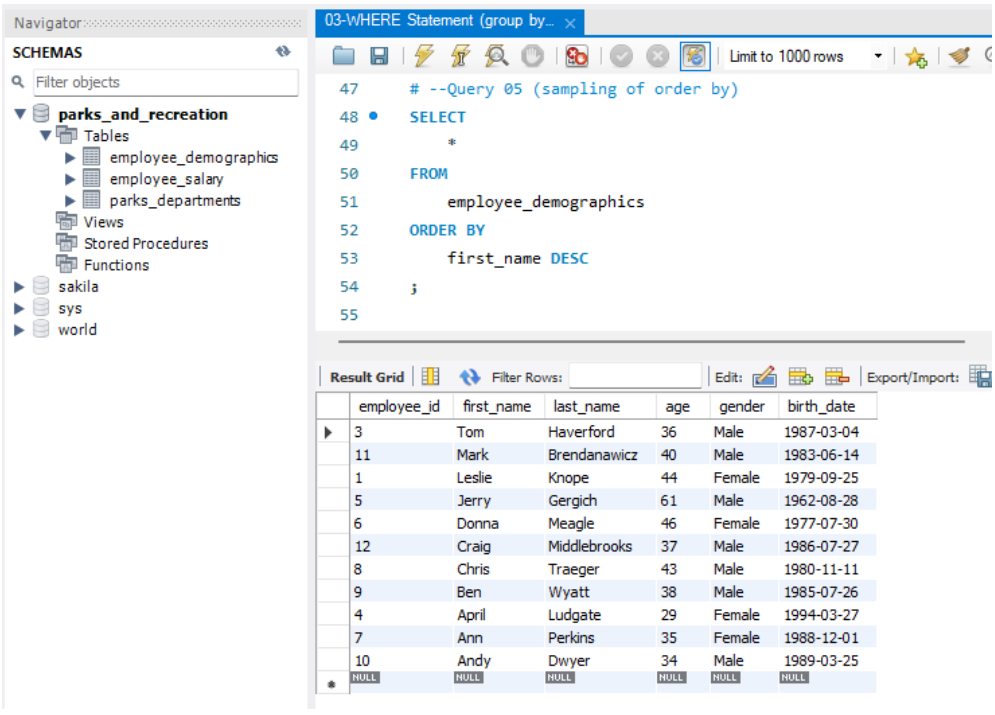


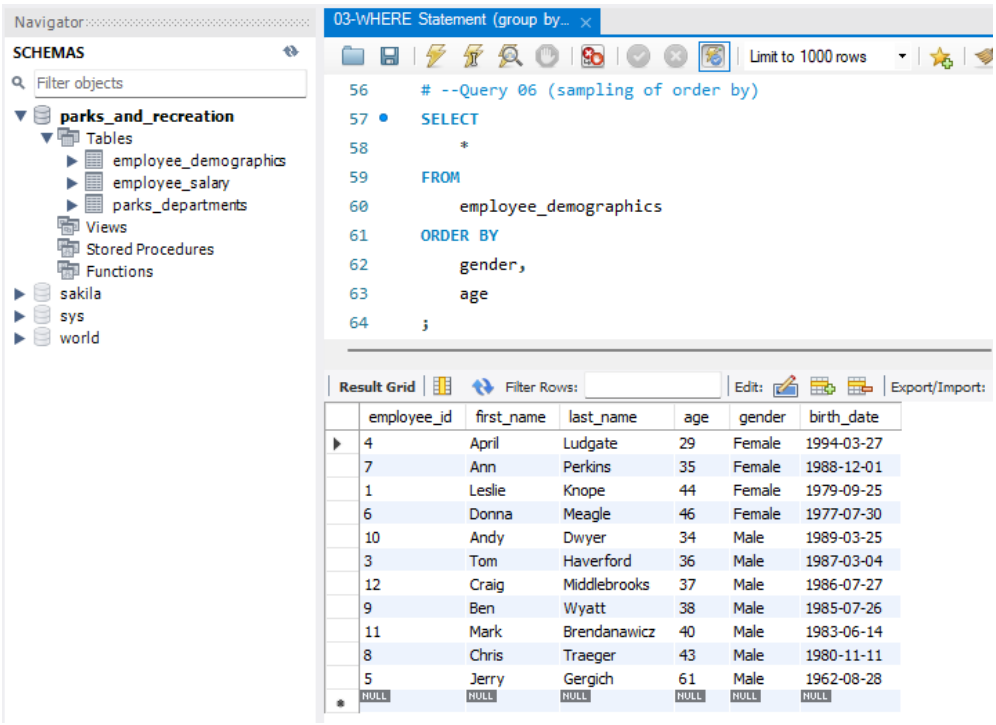

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
--Query 01 (sampling of group by)
SELECT
gender
FROM
employee_demographics
GROUP BY
gender
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
gender
Female
Male

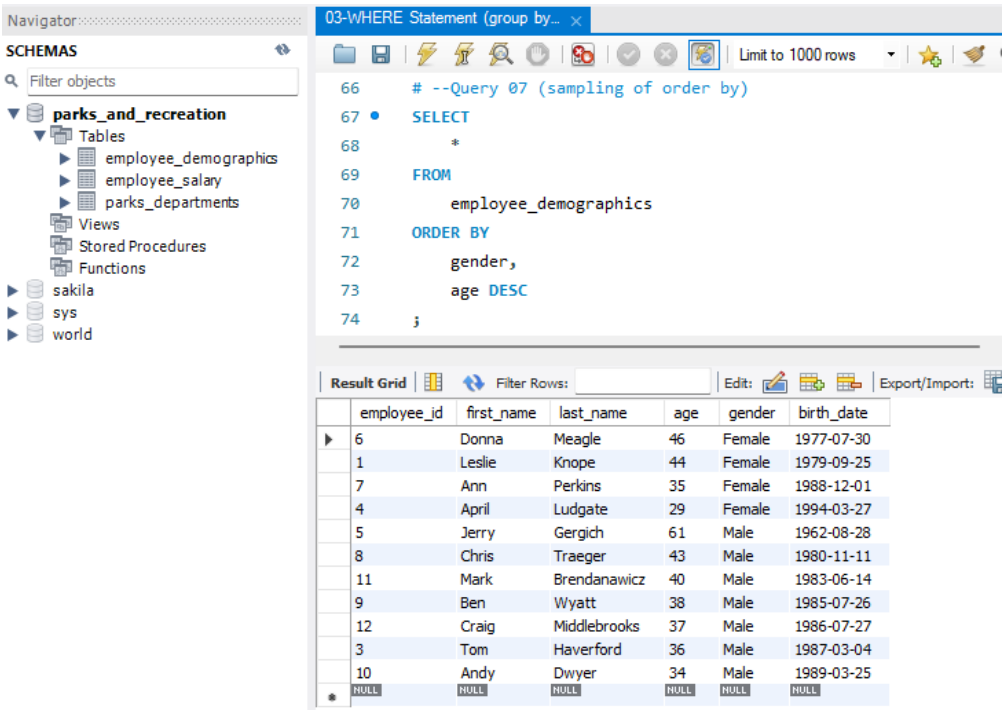

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
--Query 02 (sampling of group by with aggregate function)
SELECT
gender AS Gender,
AVG(age) AS Average_Age
FROM
employee_demographics
GROUP BY
gender
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Gender
Average_Age
Female
38.5000
Male
41.2857


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
--Query 03 (sampling of group by with aggregate function)
SELECT
gender AS Gender,
AVG(age) AS Average_Age,
MAX(age) AS Maximum_Age,
MIN(age) AS Minimun_Age,
COUNT(age) AS Number_of_People
FROM
employee_demographics
GROUP BY
gender
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Gender
Average_Age
Maximum_Age
Minimun_Age
Number_of_People
Female
38.5000
46
29
4
Male
41.2857
61
34
7

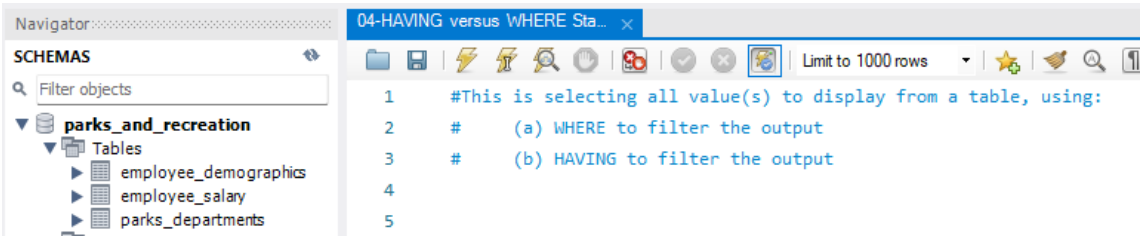

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
38 # --Query 04 (sampling of order by)
39 SELECT
40 *
41 FROM
42 employee_demographics
43 ORDER BY
44 first_name
45 ;
46
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id | first_name | last_name | age | gender | birth_date
10 | Andy | Dwyer | 34 | Male | 1989-03-25
7 | Ann | Perkins | 35 | Female | 1988-12-01
4 | April | Ludgate | 29 | Female | 1994-03-27
9 | Ben | Wyatt | 38 | Male | 1985-07-26
8 | Chris | Traeger | 43 | Male | 1980-11-11
12 | Craig | Middlebrooks | 37 | Male | 1986-07-27
6 | Donna | Meagle | 46 | Female | 1977-07-30
5 | Jerry | Gergich | 61 | Male | 1962-08-28
1 | Leslie | Knope | 44 | Female | 1979-09-25
11 | Mark | Brendanawicz | 40 | Male | 1983-06-14
3 | Tom | Haverford | 36 | Male | 1987-03-04
NULL

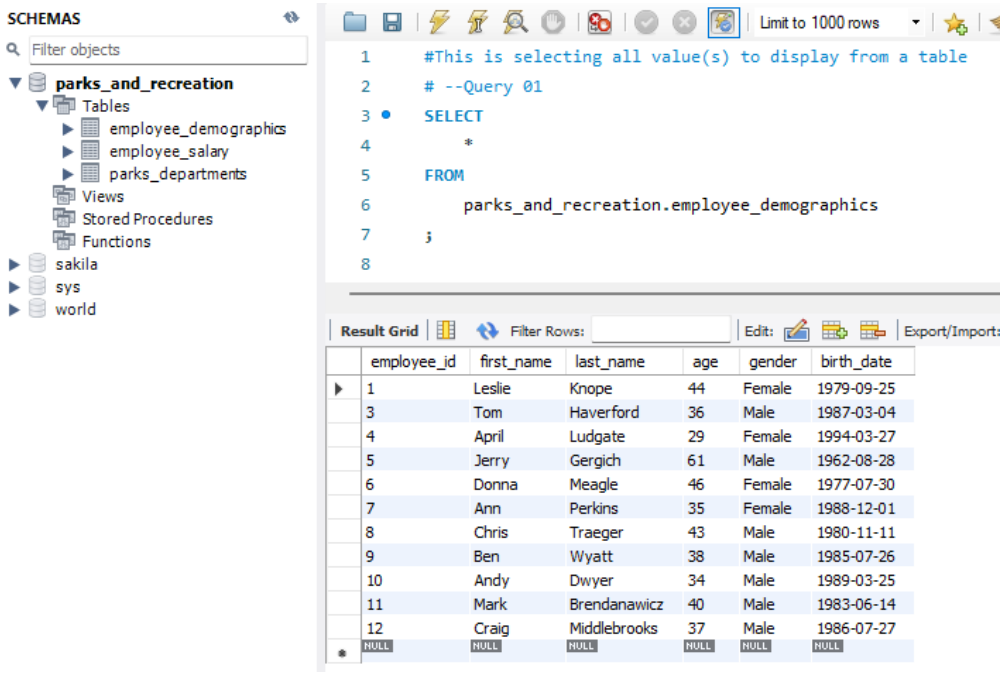

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
47 # --Query 05 (sampling of order by)
48 SELECT
49 *
50 FROM
51 employee_demographics
52 ORDER BY
53 first_name DESC
54 ;
55
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id | first_name | last_name | age | gender | birth_date
3 | Tom | Haverford | 36 | Male | 1987-03-04
11 | Mark | Brendanawicz | 40 | Male | 1983-06-14
1 | Leslie | Knope | 44 | Female | 1979-09-25
5 | Jerry | Gergich | 61 | Male | 1962-08-28
6 | Donna | Meagle | 46 | Female | 1977-07-30
12 | Craig | Middlebrooks | 37 | Male | 1986-07-27
8 | Chris | Traeger | 43 | Male | 1980-11-11
9 | Ben | Wyatt | 38 | Male | 1985-07-26
4 | April | Ludgate | 29 | Female | 1994-03-27
7 | Ann | Perkins | 35 | Female | 1988-12-01
10 | Andy | Dwyer | 34 | Male | 1989-03-25
NULL

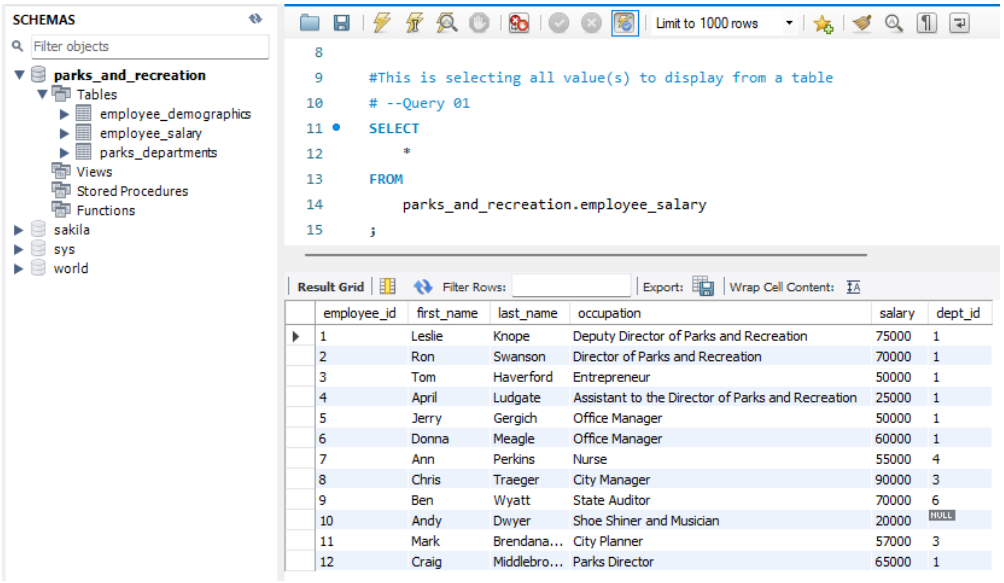

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
56 # --Query 06 (sampling of order by)
57 SELECT
58 *
59 FROM
60 employee_demographics
61 ORDER BY
62 gender,
63 age
64 ;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id | first_name | last_name | age | gender | birth_date
4 | April | Ludgate | 29 | Female | 1994-03-27
7 | Ann | Perkins | 35 | Female | 1988-12-01
1 | Leslie | Knope | 44 | Female | 1979-09-25
6 | Donna | Meagle | 46 | Female | 1977-07-30
10 | Andy | Dwyer | 34 | Male | 1989-03-25
3 | Tom | Haverford | 36 | Male | 1987-03-04
12 | Craig | Middlebrooks | 37 | Male | 1986-07-27
9 | Ben | Wyatt | 38 | Male | 1985-07-26
11 | Mark | Brendanawicz | 40 | Male | 1983-06-14
8 | Chris | Traeger | 43 | Male | 1980-11-11
5 | Jerry | Gergich | 61 | Male | 1962-08-28
NULL

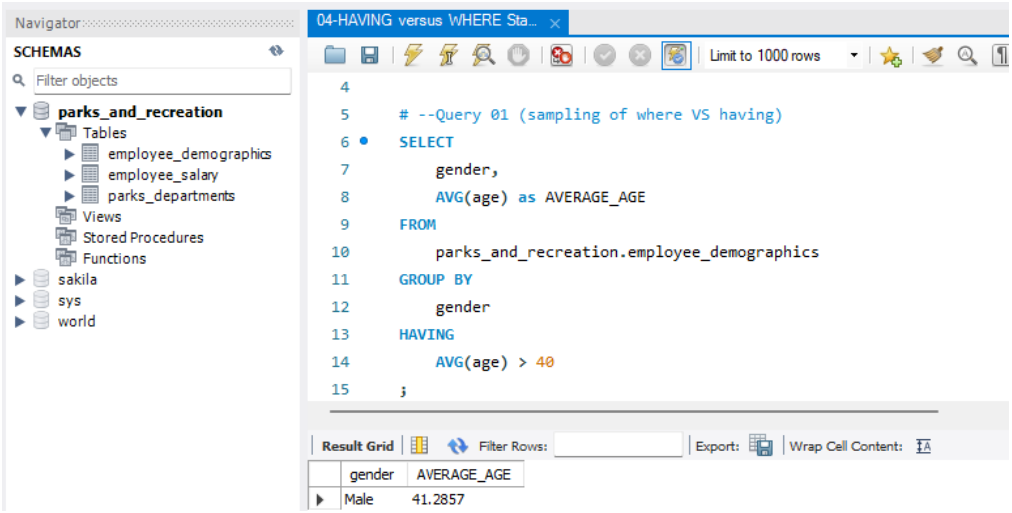

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
03-WHERE Statement (group by...
Limit to 1000 rows
66 # --Query 07 (sampling of order by)
67 SELECT
68 *
69 FROM
70 employee_demographics
71 ORDER BY
72 gender,
73 age DESC
74 ;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id | first_name | last_name | age | gender | birth_date
6 | Donna | Meagle | 46 | Female | 1977-07-30
1 | Leslie | Knope | 44 | Female | 1979-09-25
7 | Ann | Perkins | 35 | Female | 1988-12-01
4 | April | Ludgate | 29 | Female | 1994-03-27
5 | Jerry | Gergich | 61 | Male | 1962-08-28
8 | Chris | Traeger | 43 | Male | 1980-11-11
11 | Mark | Brendanawicz | 40 | Male | 1983-06-14
9 | Ben | Wyatt | 38 | Male | 1985-07-26
12 | Craig | Middlebrooks | 37 | Male | 1986-07-27
3 | Tom | Haverford | 36 | Male | 1987-03-04
10 | Andy | Dwyer | 34 | Male | 1989-03-25
NULL

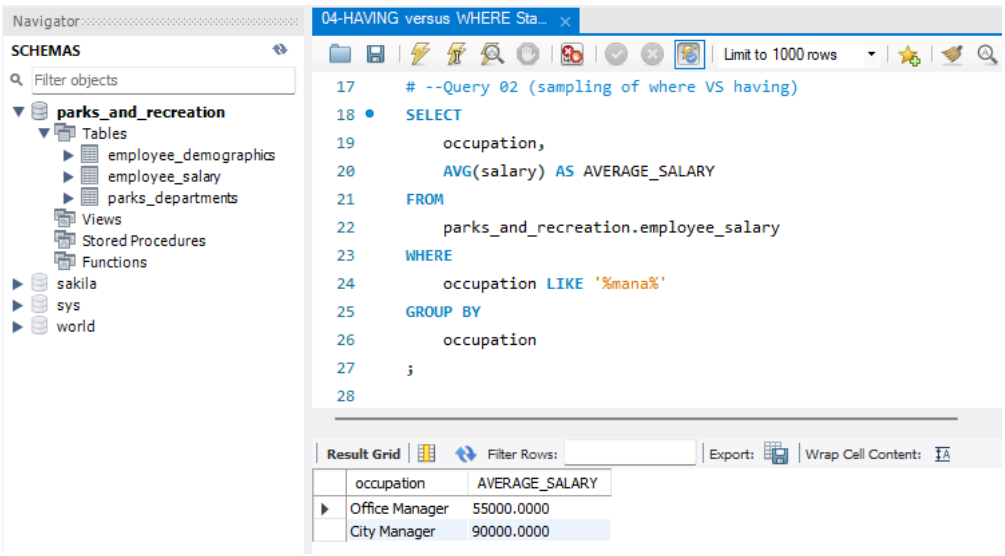
6. SELECT + WHERE + HAVING statement (flavors of queries and its sampling output)

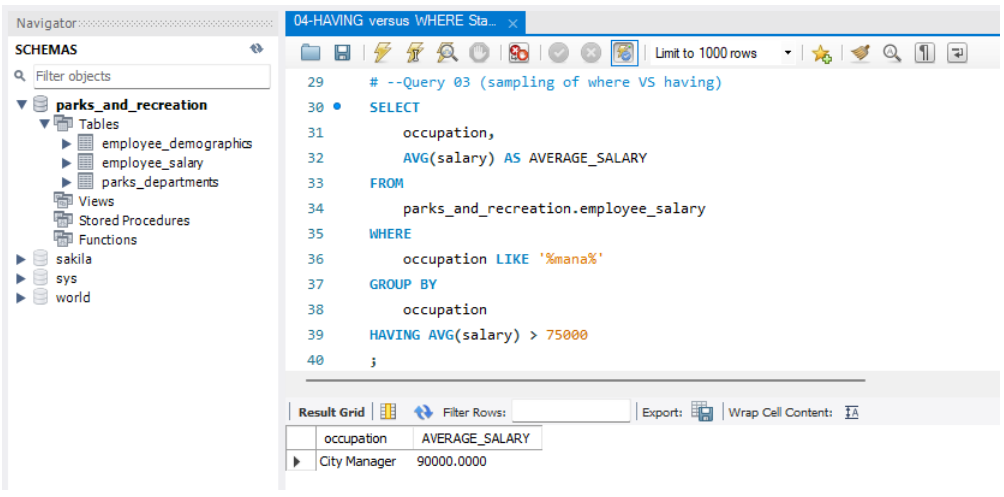




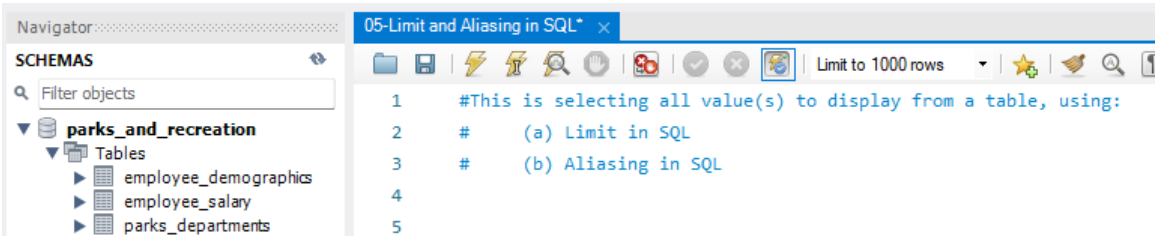


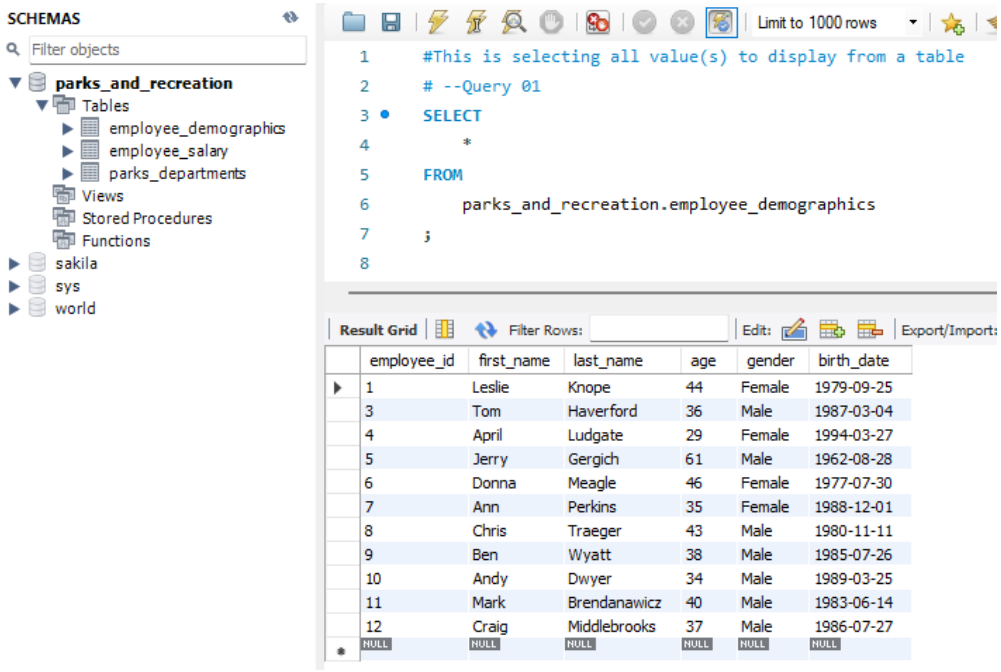

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
04-HAVING versus WHERE Sta...
Limit to 1000 rows
--Query 01 (sampling of where VS having)
SELECT
gender,
AVG(age) as AVERAGE_AGE
FROM
parks_and_recreation.employee_demographics
GROUP BY
gender
HAVING
AVG(age) > 40
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
gender
AVERAGE_AGE
Male
41.2857

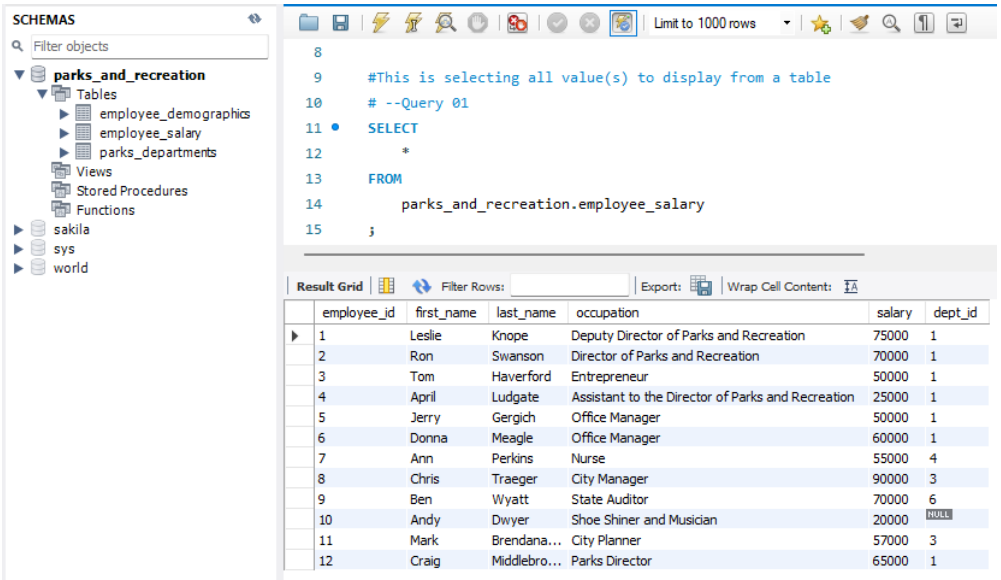

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
04-HAVING versus WHERE Sta...
Limit to 1000 rows
--Query 02 (sampling of where VS having)
SELECT
occupation,
AVG(salary) AS AVERAGE_SALARY
FROM
parks_and_recreation.employee_salary
WHERE
occupation LIKE '%mana%'
GROUP BY
occupation
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
occupation
AVERAGE_SALARY
Office Manager
55000.0000
City Manager
90000.0000

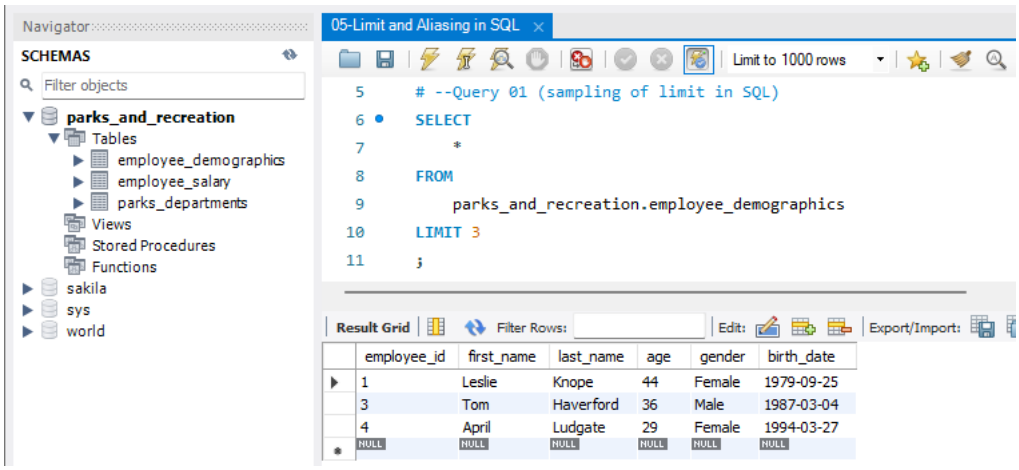

Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
04-HAVING versus WHERE Sta...
Limit to 1000 rows
--Query 03 (sampling of where VS having)
SELECT
occupation,
AVG(salary) AS AVERAGE_SALARY
FROM
parks_and_recreation.employee_salary
WHERE
occupation LIKE '%mana%'
GROUP BY
occupation
HAVING AVG(salary) > 75000
;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
occupation
AVERAGE_SALARY
City Manager
90000.0000

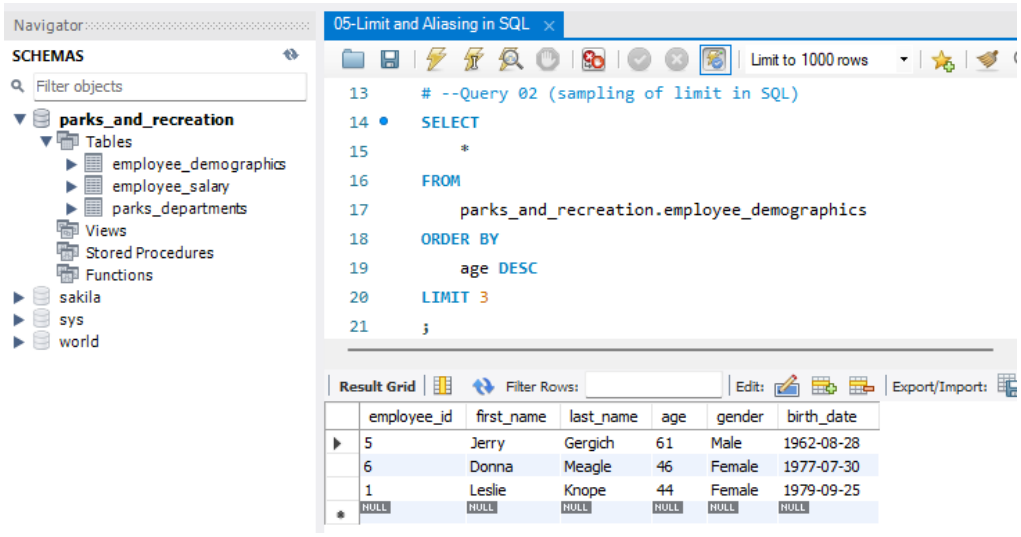
7. LIMIT and ALIASING in MySQL (flavors of queries and its sampling output)

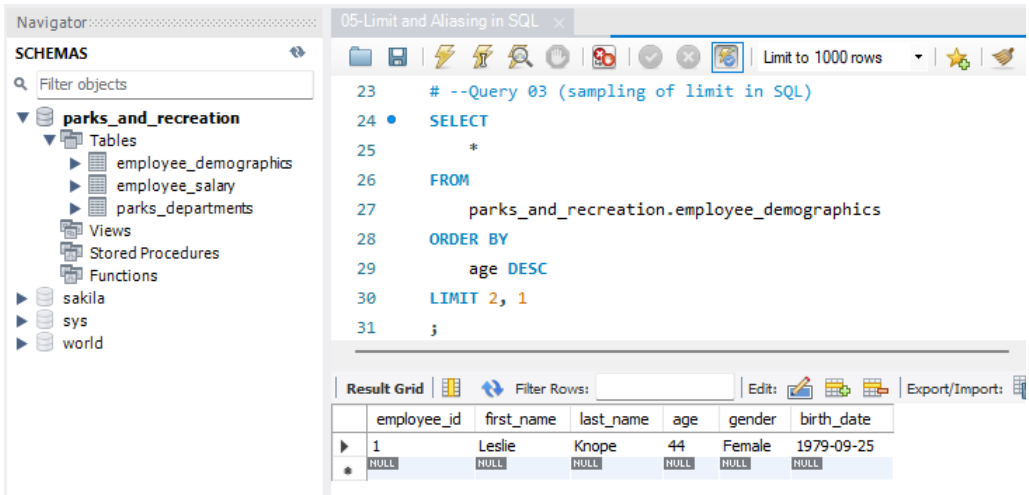


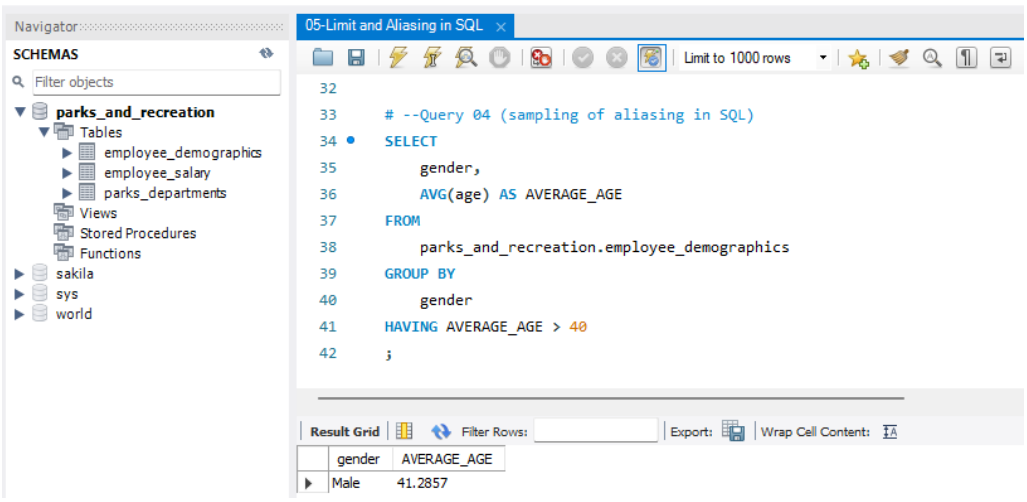





Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
05-Limit and Aliasing in SQL
Limit to 1000 rows
--Query 01 (sampling of limit in SQL)
SELECT
*
FROM
parks_and_recreation.employee_demographics
LIMIT 3
;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
1 Leslie Knope 44 Female 1979-09-25
3 Tom Haverford 36 Male 1987-03-04
4 April Ludgate 29 Female 1994-03-27


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
05-Limit and Aliasing in SQL
Limit to 1000 rows
--Query 02 (sampling of limit in SQL)
SELECT
*
FROM
parks_and_recreation.employee_demographics
ORDER BY
age DESC
LIMIT 3
;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
5 Jerry Gergich 61 Male 1962-08-28
6 Donna Meagle 46 Female 1977-07-30
1 Leslie Knope 44 Female 1979-09-25


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
05-Limit and Aliasing in SQL
Limit to 1000 rows
--Query 03 (sampling of limit in SQL)
SELECT
*
FROM
parks_and_recreation.employee_demographics
ORDER BY
age DESC
LIMIT 2, 1
;
Result Grid
Filter Rows:
Edit:
Export/Import:
employee_id first_name last_name age gender birth_date
1 Leslie Knope 44 Female 1979-09-25


Navigator
SCHEMAS
Filter objects
parks_and_recreation
Tables
employee_demographics
employee_salary
parks_departments
Views
Stored Procedures
Functions
sakila
sys
world
05-Limit and Aliasing in SQL
Limit to 1000 rows
32
33 # --Query 04 (sampling of aliasing in SQL)
34 SELECT
35 gender,
36 AVG(age) AS AVERAGE_AGE
37 FROM
38 parks_and_recreation.employee_demographics
39 GROUP BY
40 gender
41 HAVING AVERAGE_AGE > 40
42 ;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
gender
AVERAGE_AGE
Male
41.2857

**********END**********