10/9/2020 Results

App Builder v SQL Workshop v Team Development v	App Gallery V Q & ② AS Alexander Smi
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Script: hw3 ③ Status: Complete ③  View:   Detail ○ Summary ② Show:   Statement  Results  Feedback	⊙ Go Create App Edit Scri <sub>l</sub>
create view EMP_WINTER as select empno, ename from emp where extr	act(month from hiredate) in ('01', '02', '12')
View created. 0.03 seconds	
create view TOP_MANAGERS as select emp.ename from ( select mgr count(mgr) >= 3) mgr_ids join emp on emp.empno = mgr_ids.mgr	, count(mgr) as num from emp group by mgr having
View created. 0.03 seconds	
select * from emp_winter	
ЕМРИО	ENAME
7788	SCOTT
7902	FORD
7369	SMITH
7499	ALLEN
7521	WARD
7876	ADAMS
7900	JAMES
7934	MILLER
8 rows selected. 0.01 seconds	
select * from top_managers	
ENA	ME
BLAKE	
KING	
2 rows selected. 0.00 seconds	
drop view emp_winter	
View dropped. 0.07 seconds	
drop view top_managers	
View dropped. 0.07 seconds	
create sequence DEPT1_SEQ start with 10 increment by 10	maxvalue 9000 minvalue 1 cache 20 nocycle
Sequence created. 0.01 seconds	
create table DEPT1 ( DEPTNO number(3,0) not null enable, DN DEPT1_PK primary key (DEPTNO) using index enable ) organizati	AME varchar2(50), LOC varchar2(50), constraint on index
Table created. 0.05 seconds	
insert into dept1(deptno, dname, loc) values(dept1_seq.nextval, 'ACC	OUNTING', 'NEW YORK')
1 row(s) inserted. 0.04 seconds	
insert into dept1(deptno, dname, loc) values(dept1_seq.nextval, 'RES	EARCH', 'DALLAS')

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1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'SALES', 'CHICAGO')

1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'OPERATIONS', 'BOSTON')

1 row(s) inserted. 0.01 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'FINANCE', 'LOS ANGELES')

1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'HR', 'HOUSTON')

1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'PURCHASE', 'PHOENIX')

1 row(s) inserted. 0.01 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'SUPPLY', 'PHILADELPHIA')

1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'IT', 'SAN ANTONIO')

1 row(s) inserted. 0.00 seconds

insert into dept1(deptno, dname, loc) values(dept1\_seq.nextval, 'ANALYSIS', 'SAN DIEGO')

1 row(s) inserted. 0.01 seconds

select \* from dept1

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
50	FINANCE	LOS ANGELES
60	HR	HOUSTON
70	PURCHASE	PHOENIX
80	SUPPLY	PHILADELPHIA
90	IT	SAN ANTONIO
100	ANALYSIS	SAN DIEGO

10 rows selected. 0.00 seconds

select \* from user\_sequences

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	CYCLE_FLAG	ORDER_FLAG	CACHE_SIZE	LAST_NUMBER	SCALE_FLAG	EXTEND
DEPT1_SEQ	1	9000	10	N	N	20	210	N	N
DEPT_SEQ	1	9000	10	N	N	0	50	N	N
EMP_SEQ	1	90000	10	N	N	0	8000	N	N

3 rows selected. 0.00 seconds

drop table dept1

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Results drop sequence dept1\_seq Sequence dropped, 0.02 seconds if a <= 1 then create or replace function fac(a in number) return number result number: beain result := a \* fac(a - 1);result := 1; else end if; return result; end fac; Function created, 0.01 seconds select fac(5) from dual FAC(5) 120 Statement processed. 0.01 seconds begin create or replace function get\_work\_days(id number) return number is result number: select round(((select sysdate from dual) - hiredate), 0) as WORK\_DAYS into result from emp where empno = id; return result; end get work days; Function created 0.02 seconds select get\_work\_days(7839) from dual GET\_WORK\_DAYS(7839) 14206 Statement processed. 0.01 seconds create or replace procedure get\_statistics num\_depts out number,
 from emp; (num\_emps out number, num jobs out number, ) is begin select count(\*) into num\_emps select count(\*) into num\_depts sum\_sal out number into num\_jobs from emp; from dept; select count(distinct job) select sum(sal) into sum\_sal from emp; end get statistics; Procedure created. 0.01 seconds num\_jobs number; sum\_sal number; begin num emps number; num\_depts number; get\_statistics(num\_emps, Total number of employees: 14 Total number of departments: 4 Number of various jobs: 5 Summary salary: 29025 Statement processed. 0.00 seconds create table DEBUG\_LOG ( number(4,0) not null enable, LOG\_TIME date, MESSAGE varchar2(50), IN SOURCE varchar2(50), constraint DEBUG\_LOG\_PK primary key (ID) using index enable ) organization index Table created. 0.05 seconds create sequence DEBUG\_LOG\_SEQ start with 1 increment by 1 maxvalue 9999 minvalue 1 cache 20 nocycle Sequence created. 0.03 seconds create or replace procedure get\_date\_bounds (oldest\_date out date, newest\_date out date ) is begin select min(hiredate) select max(hiredate) into oldest\_date from into newest\_date emp; get\_date\_bounds; Procedure created. 0.00 seconds oldest date date; newest\_date date; begin get\_date\_bounds(oldest\_date, newest\_date); date: '|| newest\_date, 'get\_date\_bounds'); --dbms\_output.put\_line('Hire date of employee that works least: '|| newest\_date); end; 1 row(s) inserted. 0.06 seconds newest\_date date; begin get\_date\_bounds(oldest\_date, newest\_date);

date: ' || newest\_date, 'get\_date\_bounds'); --dbms\_output.put\_line('Hire date of employee that works most: ' || oldest\_date); --dbms\_output.put\_line('Hire date of employee that works least: ' || newest\_date); end;

debug\_log(id, log\_time, message, in\_source) values(debug\_log\_seq.nextval, sysdate, 'Oldest date: ' || oldest\_date || ' ' || 'Newest

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## 1 row(s) inserted. 0.00 seconds

select \* from debug\_log

ID	LOG_TIME	MESSAGE	IN_SOURCE
1	10/09/2020	Oldest date: 12/17/1980 Newest date: 01/12/1983	get_date_bounds
2	10/09/2020	Oldest date: 12/17/1980 Newest date: 01/12/1983	get_date_bounds

#### 2 rows selected, 0.00 seconds

create or replace procedure log\_info AUTONOMOUS\_TRANSACTION; begin sysdate, in\_info\_msg, in\_source);

(in\_info\_msg in varchar2, insert into debug\_log(id, log\_time, message, in\_source) commit; exception

in\_source in varchar2 when others then

is PRAGMA
values(debug\_log\_seq.nextval,
return; end log\_info; return;

## Procedure created. 0.09 seconds

create or replace function division(a in number, b in number) return number is result a / b;  $\log_{-info}(a \mid \mid ' \mid ' \mid \mid b \mid \mid ' = ' \mid \mid result, \; 'division'); \qquad return \; result \; then \\ \log_{-info}(substr(sqlerrm, 1, 100) \mid \mid ' (' \mid \mid a \mid \mid ' \mid ' \mid \mid b \mid \mid ')', \; 'division');$ result number; begin result return result; exception when others end division;

#### Function created. 0.03 seconds

select division(10, 5) from dual

DIVISION(10,5) 2

### Statement processed. 0.01 seconds

select division(25, 5) from dual

DIVISION(25,5)

## Statement processed. 0.01 seconds

select division(25, 0) from dual

### ORA-06503: PL/SQL: Function returned without value

select division(0, 0) from dual

# ORA-06503: PL/SQL: Function returned without value

select division(-1, 0) from dual

## ORA-06503: PL/SQL: Function returned without value

select \* from debug\_log

ID	LOG_TIME	MESSAGE	IN_SOURCE
1	10/09/2020	Oldest date: 12/17/1980 Newest date: 01/12/1983	get_date_bounds
2	10/09/2020	Oldest date: 12/17/1980 Newest date: 01/12/1983	get_date_bounds
3	10/09/2020	10 / 5 = 2	division
4	10/09/2020	25 / 5 = 5	division
5	10/09/2020	ORA-01476: divisor is equal to zero (25 / 0)	division
6	10/09/2020	ORA-01476: divisor is equal to zero (0 / 0)	division
7	10/09/2020	ORA-01476: divisor is equal to zero (-1 / 0)	division

7 rows selected. 0.00 seconds

drop table debug\_log

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Table dropped. 0.51 seconds

drop sequence debug\_log\_seq

Sequence dropped. 0.03 seconds

Run By RU.ALEXANDER.SMIRNOV@GMAIL.COM	
Parsing Schema FURIOUSTEABAG	
Script Started Friday, October 9, 2020	
	7 seconds ago
Elapsed time	1.90 seconds
Statements Processed	44
Successful	41
With Errors	3
Download	





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