





APEX

App Builder

SQL Workshop

Team Development

Gallery



1S

19BQ1A0505 SAI ...  
wksp\_dbmslab

SQL Commands

Language

SQL



Rows

10



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2 num number:=25;
3 begin
4 if(mod(num,2)=0) then
5 dbms_output.put_line(num||' is Even');
6 else
7 dbms_output.put_line(num||' is Odd');
8 end if;
9 end;
```

Results

Explain

Describe

Saved SQL

History

25 is Odd

Statement processed.

0.00 seconds



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SQL Commands

Language

SQL



Rows

10



Clear Command

Find Tables

Save

Run

Schema

WKSP\_WKSPDBMSLAB



A::



Find Tables



```
1 declare
2 a number:=5;
3 i number:=1;
4 begin
5 if(a>0) then
6 dbms_output.put_line('Using For loop');
7 for i in 1..a
8 loop
```

Results

Explain

Describe

Saved SQL

History

Using For loop

1

2

3

4

5

Using While loop

1

2

3

4

5



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## SQL Commands

Language SQL

Rows 10



Clear Command

Find Tables

Save

Run



A::

```
1 declare
2 a number:=1;
3 b number:=-2;
4 c number:=1;
5 const number:=0;
6 d number:=0;
7 r1 number:=0;
8 r2 number:=0;
9 begin
10 d:=b*b-4*a*c;
11 if(d>0) then
12 r1:=(-b+sqrt(d))/(2*a);
13 r2:=(-b-sqrt(d))/(2*a);
```

## Results

Explain Describe Saved SQL History

the roots are 1 and 1

Statement processed.

0.01 seconds



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1S

SQL Commands

Language

SQL

Rows

10

Clear Command

Find Tables

Save

Run



```
1 declare
2   n number :=25;
3   i number :=1;
4   cnt number :=0;
5 begin
6   for i in 1..n
7   loop
8     if(mod(n,i)=0) then
9       cnt :=cnt+1;
10      end if;
11    end loop;
12    if(cnt=2) then
13      dbms_output.put_line(n || ' is prime');
14    else
15      dbms_output.put_line(n || ' is not prime');
```

Results

Explain

Describe

Saved SQL

History

25 is not prime

Statement processed.



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```
1 declare
2 m number :=35;
3 j number;
4 n number;
5 c number;
6 i number;
7 begin
```



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SQL Commands

Language

SQL

Rows

10



Clear Command

Find Tables

Save

Run

Schema

WKSP\_WKSPDBMSLAB



A::

```
1 declare
2 n number :=5;
3 i number :=1;
4 begin
5 for i in 1..10
6 loop
7 dbms_output.put_line(n || '*' || i || '=' || n*i);
8 end loop;
9 end;
```

Results

Explain

Describe

Saved SQL

History

5\*1=5

5\*2=10

5\*3=15

5\*4=20

5\*5=25

5\*6=30

5\*7=35

5\*8=40

5\*9=45

5\*10=50



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SQL Commands

Language

SQL



Rows

10



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2   n number :=171;
3   rem number :=0;
4   total number :=0;
5   k number :=0;
6   begin
7     k :=n;
8     while(n>0)
9     loop
10      rem :=mod(n,10);
11      total :=total*10+rem;
12      n :=trunc(n/10);
13    end loop;
14    if(total=k) then
```

Results

Explain

Describe

Saved SQL

History

171 is  
palindrome

Statement processed.



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## SQL Commands



Schema

WKSP\_WKSPDBMSLAB



Language

SQL



Rows

10



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2   g varchar2(20);
3   r varchar2(20);
4   i number(4);
5   begin
6     g:='madam';
7     for i in reverse 1..length(g)
8     loop
9       r:=r||substr(g,i,1);
10    end loop;
11    dbms_output.put_line('reverse string is '||r);
12    if r=g then
13      dbms_output.put_line('string is palindrome');
14    else
```

## Results

Explain

Describe

Saved SQL

History

reverse string is madam  
string is palindrome

Statement processed.



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SQL Commands

Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



1

**declare**

2

t software.title%type:='Bombs Away';

3

pn software.pname%type;

4

**begin**

5

**select** pname **into** pn **from** software **where** title=t;

Results

Explain

Describe

Saved SQL

History

Programmer Name Qadir

Statement processed.

0.03 seconds



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SQL Commands

SchemaWKSP\_WKSPDBMSLAB

LanguageSQL

Rows20

Clear Command

Find Tables

Save

Run

A::

1declare

2cursor s is select \* from radius;

3t s%rowtype;

4begin

5open s;

6loop

7fetch s into t;

8exit when s%notfound;

9insert into circle

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.01 seconds

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SQL Commands

SchemaWKSP\_WKSPDBMSLAB

LanguageSQL

Rows20

Clear Command

Find Tables

Save

Run

A::

1select \* from circle;

2

Results

Explain

Describe

Saved SQL

History

RADIUS	AREA	PERIMETER
100	31400	628
503	794448.26	3158.84
123	47505.06	772.44
12	452.16	75.36

4 rows returned in 0.02 secondsDownload

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SQL Commands

Schema

WKSP\_WKSPDBMSLAB



Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



1

**declare**

2 x number:=25;

3 y number:=2;

4 **begin**

5 product(x,y);

6 **end;**

7

Results

Explain

Describe

Saved SQL

History

Product of 25 and 2 is 50

Statement processed.

0.01 seconds



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1S



SQL Commands

Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2 x programmer.pname%type := 'Patrick';
3 begin
4 get_dob(x);
5 end;
```

Results

Explain

Describe

Saved SQL

History

Pname Patrick DOB 11/11/0065

Statement processed.

0.02 seconds



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SQL Commands

SchemaWKSP\_WKSPDBMSLAB

LanguageSQLRows20Clear CommandFind TablesSaveRun

A::

```
1 create or replace function sum_func(a in number, b in
2 number) return number as
3 c number;
4 begin
5 c:=a+b;
6 return c;
7 end;
```

ResultsExplainDescribeSaved SQLHistory

Function created.

0.01 seconds

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SQL Commands

SchemaWKSP\_WKSPDBMSLAB

LanguageSQLRows20Clear CommandFind TablesSaveRun

A::

```
1 declare
2 x number:=10;
3 y number:=20;
4 res number;
5 begin
6 res:=sum_func(x,y);
7 dbms_output.put_line('sum of '||x||' and '||y||' is '||res);
8 end;
```

ResultsExplainDescribeSaved SQLHistory

sum of 10 and 20 is 30

Statement processed.

0.00 seconds

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## SQL Commands



Schema

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Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2 x programmer.pname%type:='Nelson';
3 res programmer.dob%type;
4 begin
5 res:=get_dob_func(x);
6 dbms_output.put_line('DOB of '||x||' is '||res);
7 end;
8
```

## Results

Explain Describe Saved SQL History

DOB of Nelson is 09/14/0065

Statement processed.

0.00 seconds



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SQL Commands

Language



SQL



Rows

20



Clear Command

Find Tables

Save

Run

Schema

WKSP\_WKSPDBMSLAB



A::



Clear Command

Find Tables

Save

Run

```
1 declare
2 x studies.splace%type:='Sabbhari';
3 begin
4 getPName(x);
5 end;
```

Results

Explain

Describe

Saved SQL

History

Anand  
Mary  
Revathi  
Ramesh

Statement processed.

0.04 seconds



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SQL Commands

Language



SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



1

**declare**

2 pn programmer.pname%**type**:= 'Revathi' ;

3

res number;

4

**begin**

5 res:=total\_dcost\_func(pn);

6

6 dbms\_output.put\_line('Total development cost is '||res);

7

**end;**

8

Results

Explain

Describe

Saved SQL

History

Total development cost is 9600

Statement processed.

0.03 seconds



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1S

wksp\_dbm

19BQ1A09

1S

wksp\_dbm

19BQ1A09

1S

wksp\_dbm

19BQ1A09

1S

wksp\_dbm

19BQ1A09

1S

wksp\_dbm

SQL Commands

Language

SQL

Rows

20

Clear Command

Find Tables

SQL

Find Tables

Find Tables

SQL

Find Tables

Find Tables

1

declare

2

x number :=2;

3

-- x number :=2;

Results

Explain

Describe

Saved SQL

History

2x1=2

2x2=4

2x3=6

2x4=8

2x5=10

2x6=12

2x7=14

2x8=16

2x9=18

2x10=20

product of2and3 is 6

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19BQ1A09

1S

wksp\_dbm



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1S  
wksp\_dbmslab



SQL Commands

Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run

Schema

WKSP\_WKSPDBMSLAB



A::



```
1 declare
2 a programmer.pname%type := 'Anand';
3 b software.title%type := 'Read Me';
4 r software.pname%type;
5 begin
6
7 pack1.p1(a);
8 r:=pack1.f1(b);
9 dbms_output.put_line('Name is' || r);
10 end;
```

Results

Explain

Describe

Saved SQL

History

Salary is3200  
Name isPatrick

Statement processed.

0.13 seconds



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SQL Commands

Language

SQL



Rows

20



Clear Command

Find Tables

Save

Run



A::



```
1 declare
2 a software.dev_d%type:='C';
3 b studies.pname%type:='Anand';
4 r studies.splace%type;
5 begin
6 pack2.p2(a);
7 r:=pack2.f2(b);
8 dbms_output.put_line('name of the institution :'||r);
9 end;
```

Results

Explain Describe Saved SQL History

Code Generation  
PC Utilities  
ISR Editor  
Vaccines  
name of the institution :Sabhari  
Statement processed.



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SQL Commands

Language

SQL



Rows

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Clear Command

Find Tables

Save

Run



A=



15

19BQ1A0505 SAI ...  
wksp\_dbmslab

```
8  if(sysdate-datbirth)/365 > 18 then
9  dbms_output.put_line(a||' is eligible to vote ');
10 else
11  RAISE invalid_age_exception;
12  end if;
13 EXCEPTION
14 when invalid_age_exception then
15 dbms_output.put_line('sorry '||a||' is not eligible to vote ');
16 end;
```

Results

Explain

Describe

Saved SQL

History

Anand is eligible to vote

Statement processed.

0.01 seconds



sai.krishna17902@gmail.com



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WhatsApp SQL Commands

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APEX App Builder SQL Workshop Team Development Gallery

SQL Commands Schema WKSP\_WKSPDBMSLAB

Language SQL Rows 20 Clear Command Find Tables Save Run

```
1 create table student1(rollno number(3) primary key,
2 sname varchar2(15),
3 marks1 number(3),
4 marks2 number(3),
5 total number(4));
6
```

Results Explain Describe Saved SQL History

Table created.

0.03 seconds

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Type here to search

WhatsApp SQL Commands

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SQL Commands Schema WKSP\_WKSPDBMSLAB

Language SQL Rows 20 Clear Command Find Tables Save Run

```
1 create or replace trigger auto_cal before insert on student1 for each row
2 declare
3 begin
4   :new.total := :new.marks1 + :new.marks2;
5 end;
6
```

Results Explain Describe Saved SQL History

Trigger created.

0.06 seconds

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15

wksp\_dbmslab

Q

Schema

WKSP\_WKSPDBMSLAB

SQL

Rows

20

Find Tables

Clear Command

Save

Run

↶

↷

Q

A::

1

`select * from student;`

Results

Explain

Describe

Saved SQL

History

	ROLL	SNAME	AGE
1		Patrick	20
2		nick	20

2 rows returned in 0.01 seconds

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