

Atividade VII

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1. Procedure Alimenta Historico Forall

```
create or replace procedure Alimenta_Historico_Forall
(ultima_turma in number, ultimo_aluno in number)
is
type tlista is table of number index by binary_integer;
lista tlista;
begin
for j in 1..100 loop
lista(j) := j;
end loop;
delete historico;
for i in 1..ultima_turma loop
forall j in 1..ultimo_aluno
insert into historico (cod_turma, matricula) values (i,lista(j));
end loop;
commit;
END;
```

Procedure created.

0.42 seconds

Figura 1 – procedure criada.

2. Procedure Alimenta Historico

```
create or replace procedure AlimentaHistorico
(ultima_turma in number, ultimo_aluno in number)
is
begin
delete historico; /* comentário: elimina registros atuais */
for i in 1..ultima_turma loop
```

```

for j in 1..ultimo_aluno loop
insert into historico (cod_turma, matricula) values (i,j);
end loop;
end loop;
commit;
end;

```

Procedure created.

0.42 seconds

Figura 2 – create or replace procedure.

```

select object_name from user_objects where object_type='PROCEDURE'

```

OBJECT_NAME
ALIMENTA_HISTORICO_FORALL
ALIMENTAHISTORICO

2 rows returned in 0.00 seconds [Download](#)

Figura 3 – Select .

3. Function Valor Em Dolar

```

create or replace function ValorEmDolar(reais in number, cotacao in number)
return number
is
begin
return reais/cotacao;
end;

```

Function created.

0.01 seconds

Figura 4 – create or replace function.

4. Function ValorEmDolar (segunda)

```

create or replace function ValorEmDolar
(reais in number, cotacao in number)
return number
is
begin
return reais/cotacao;
end;

```

Function created.

0.01 seconds

Figura 5 – Create or replace function.

```

Select nome_curso, preco "Em R$", ValorEmDolar(preco, 3.16) "Em
US$" From cursos;

```

NOME_CURSO	Em R\$	Em US\$
Mecânica	200	63.2911392405063291139240506329113924051
Robótica Avançada	250	79.1139240506329113924050632911392405063
Warms	40	12.658227848101265822784810126582278481
DoS	150	47.4683544303797468354430379746835443038
Mongoose	980	310.126582278481012658227848101265822785
Mongo	400	126.58227848101265822784810126582278481
Express	400	126.58227848101265822784810126582278481
Node	250	79.1139240506329113924050632911392405063
Angular 4	150	47.4683544303797468354430379746835443038
Angular 2	100	31.6455696202531645569620253164556962025
More than 10 rows available. Increase rows selector to view more rows.		

10 rows returned in 0.07 seconds [Download](#)

Figura 6 – procedure criada.

```

Select object_name from user_objects where object_type='FUNCTION';

```

OBJECT_NAME
CUSTOM_HASH
CUSTOM_AUTH
VALOREMDOLAR

3 rows returned in 0.03 seconds [Download](#)

Figura 7 – Select.

5. Criar view vPessoas

```
create view vPessoas as
select nome_aluno as nome, 'a' as tipo
from alunos
union
select nome_instrutor, 'i'
from instrutores;
```

View created.

0.18 seconds

Figura 8 – Create view vPessoas.

```
create or replace function
exclui_instrutores_cursor_imp
return varchar2
is
begin
delete instrutores
where cod_instrutor not in
(select distinct cod_instrutor from
turmas);
if sql%found then
return ('Foram eliminados: ' || to_char( sql
%rowcount) || ' instrutores');
else
return ('Nenhum instrutor eliminado.');
```

Statement processed.

0.03 seconds

Figura 9 – create or replace function .

```

create or replace procedure Classifica_Cursos_Cur_Exp
IS
cursor ccursos is select nome_curso, preco from cursos;
v_nome_curso cursos.nome_curso%type;
v_preco cursos.preco%type;
v_classifica varchar2(10);
BEGIN
open ccursos;
fetch ccursos into v_nome_curso, v_preco ;
while ccursos%found loop
if v_preco < 300 then v_classifica := 'Barato';
elsif v_preco < 600 then v_classifica := 'Médio';
else v_classifica := 'Caro';
end if;
dbms_output.put_line ('Curso: ' || v_nome_curso || ' é ' ||
v_classifica);
fetch ccursos into v_nome_curso, v_preco;
end loop;
close ccursos;
END;

```

Procedure created.

0.06 seconds

Figura 10 – create or replace function .

6. create or replace procedure Class_Cursos_Cur_Exp_Param

```

create or replace procedure Class_Cursos_Cur_Exp_Param
(v_valor_minimo number)
IS
cursor ccursos (v_valor_minimo in number) is
select nome_curso, preco from cursos
where preco > v_valor_minimo;
v_nome_curso cursos.nome_curso%type;
v_preco cursos.preco%type;
v_classifica varchar2(10);
BEGIN
open ccursos (v_valor_minimo);
fetch ccursos into v_nome_curso, v_preco;

```

```
while ccursos%found loop
if v_preco < 300 then v_classifica := 'Barato';
elsif v_preco < 600 then v_classifica := 'Médio';
else v_classifica := 'Caro';
end if;
fetch ccursos into v_nome_curso, v_preco;
end loop;
close ccursos;
END;
```

Procedure created.

0.03 seconds

Figura 11 – create or replace procedure .