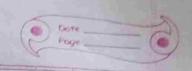
Assignment-3



- exception with excemple.
 - specical condition that changes the paogram execution flow.
 - flexible and powerful way to handle such exception.
 - check what kind of exception has been occurred and handle it coppropriately.
 - -> there care three types of exceptions:
 - 1 Predefined exception:
 - > 5ystem exception case coutomostically accised by oracle, when ce paogracom violetes a RDBMS rule.
 - -> these cese some system exception which cese accised frequentally, so they cere pae-defined and given a name in oracle which is known as named system exception.

- Erromole declarar or number (2): ne numbeacas cons oumber (4.2): begin Olishon n2:- £002: 005:501/02: doms_outpet.put_line (ans) exception when zeao divide then doms output put line (divide zeas eas) 2 undefined exception: -) it's can practe emon that doesn't have a paedefined exception -) in this case you need to declare can

exception and associate an oracle number

- those system exception for which oracle

does not provide a name is known cas

sinnamed system exception these exception

with it.

do not occur frequently

- Excemple declare error exception; proprie exception init (Barot CT. 8845) delete from employee where id-4; exception when eason er then dbm5_output. put_line Correction 10.

- 3 uses defined exceptions
- -) the user defined exception sometimes called programmer defined exception is defined by you in a specific cepolication
- -> a signs defined exception must be declarated and then raised explicitly. aising either a raise statement or the procedure dbms strendorad rocis. cepplication -errar.
- -) you can map exception names with specific macche earnes using the exception init pragma

| Example. | 9-2 Explain sub-program with it's type |
|---|--|
| declare myer exception; i number; begin for i in (select * from emp) loop if i.eno=3 then raise myer; | > seb-paccinam in sen individual parat of prisar block which seen be used to perform a specific team. |
| end if; | 1 PL/5QL procedurae: |
| erception when myer then dhms_output.put_line('emp exists); end; | procedure is a PLISAL block which perform one or more specific task. It is just like procedure in other programmin language. |
| | body body |
| | to the procedure. |
| | > body controling a declaration section, exception section and exception section section section section. |
| | |

- Syntax caecate Loa applace I paoceduae Procedure name [cparameter Lin lout] typest I declaration section] begin executable section revicentian exception_section] end: - Excamplerecote procedure paulid in numbers begin inscat into used volues (id) - how to execute procedure? execute [02 exec] procedure name Procedure name

- 2 PLISOL Function:
- PLISAL pancedure.
- main difference between procedure and function is a function must always return a value, and on the other hand a procedure may or may not return a value.
- -> header contains the name of function and the presenctor or variables passed to the function.
- > body contains a declaraction section.
- Syntar-

caecete[oa aeploce] function fun nome [caecete[oa aeploce] function fun nome [caecete[oa aeploce] function fun nome aetuan aetuan doetotype

Edeclaration_sections
begin

function body>
end;

| | And the second s |
|---|--|
| | Commercial |
| | Extemple- |
| | caecate or replace function ad CM in |
| | coecete or replace tanchar |
| | number of in number) |
| | servan number |
| | 15 |
| | na number (8); |
| | begin |
| | 03:=04+02 |
| | end: |
| | |
| | |
| | execution function- |
| | CIRCUTION TOCKION |
| | |
| | @function_name |
| 1 | |
| | |
| | declare |
| | na number (e); |
| | begin |
| | n3:= ad (10,20); |
| | dbms_output_put_line (n3); |
| | end |
| | Printer Committee of the Committee of th |
| | The same of the sa |
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| | |
| | AND REAL PROPERTY AND REAL PRO |
| | Marie Marie Carlotte Control of the |
| | |

- Q-3 what is taigger? Explain it's type.
- which is fixed when a DML statements is executed on a database topic.
 - s trigger was stored programs which one cutomotically executed or fixed when some events occur
 - aben an associated and statement is executed.
 - > types of PLISOL laigges:
 - 1 200: level taiggez en event 15 taiggezed for each 200 updated inserted or deteted
 - estatement level brigger-con event is triggered for each 591 statement executed.
 - ·before trigger it execute before the triggering DML statement execute.
 - rafter trigger it concute coffer the triggering DML statement execute.

- syntaxcaerote [or replace] trigger tga nom [07] delete y fof col-name] on table name [for each row [when (con.)]] [beferencing old asone o new ces n] declare declare section begin execution section exception exception_section Excemple. create trigger scol-change before delete or insert or update on contomer for each row when cnewideo) declare sal-diff number; begin 501-diff: =: new.501 -: 01d.501; d-0.p-1 (:01d.50e1) d-0,p-1 (: neco, 5001); d-0.p-1 (50e1-diff); endi