

PL/SQL Exception Handling

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```
SQL> create table student1(id int,name varchar(20));  
Table created.
```

```
SQL> select * from student1;
```

ID	NAME
1	Akash
2	Amar
3	Denzel
4	Raja

1.No_data_found

```
SQL> declare  
  2  v varchar(20);  
  3  begin  
  4  select name into v from student1 where id=6;  
  5  dbms_output.put_line('Name is '||v);  
  6  exception  
  7  when no_data_found then  
  8  dbms_output.put_line('No data found');  
  9  end;  
 10  /  
No data found
```

```
PL/SQL procedure successfully completed.
```

2.Too_many_rows

```
SQL> declare
  2  v varchar(20);
  3  begin
  4  select name into v from student1;
  5  dbms_output.put_line('Name is '||v);
  6  exception
  7  when too_many_rows then
  8  dbms_output.put_line('too many rows being selected');
  9  end;
 10  /
too many rows being selected

PL/SQL procedure successfully completed.
```

3.Value_error

```
SQL> declare
  2  n int;
  3  begin
  4  n:='&n';
  5  dbms_output.put_line('Value of n is '||n);
  6  exception
  7  when value_error then
  8  dbms_output.put_line('Invalid input');
  9  end;
 10  /
Enter value for n: Amar
old  4: n:='&n';
new  4: n:='Amar';
Invalid input

PL/SQL procedure successfully completed.
```

4.Zero_Divide_error

```
SQL> set serveroutput on;
SQL> declare
  2  a int;
  3  begin
  4  a:='&a';
  5  dbms_output.put_line('Value of 15 divided by '||a||'is'||15/a);
  6  exception
  7  when zero_divide then
  8  dbms_output.put_line('Denominator can not be zero');
  9  end;
 10  /
Enter value for a: 0
old  4: a:='&a';
new  4: a:='0';
Denominator can not be zero

PL/SQL procedure successfully completed.
```

5.User Defined exception

```
SQL> declare
  2  n int;
  3  excem1 exception;
  4  begin
  5  n:=&n;
  6  if n>10 then
  7  raise excem1;
  8  end if;
  9  dbms_output.put_line('Value of 10 divided by '||n||' is'||10/n);
 10  exception
 11  when excem1 then
 12  dbms_output.put_line('Denominator must be less than 10');
 13  end;
 14  /
Enter value for n: 21
old  5: n:=&n;
new  5: n:=21;
Denominator must be less than 10

PL/SQL procedure successfully completed.
```