

CURSOR

Problem Statement: Write a PL/SQL block of code using parameterized Cursor that will merge the data available in the newly created table N_Roll_Call with the data available in the table O_Roll_Call. If the data in the first table already exists in the second table then that data should be skipped.

1. First Create two table oldroll and newroll

- `create table oldroll(roll int,Name varchar(20));`
- `create table newroll(roll int,Name varchar(20));`
- `insert into newroll values(2,'dhanshree');`
`insert into newroll values(5,'asmita');`
- `insert into oldroll values(2,'Hema');`
`insert into oldroll values(5,'Aditi');`
`insert into oldroll values(4,'srushti');`
`insert into oldroll values(5,'asmita');`
- `select * from newroll;`
`select * from oldroll;`

2. Creating procedure by using explicit cursor

- delimiter \$\$

```
create procedure rolldist()  
begin  
declare a int;  
declare a1 varchar(10);  
declare b int;
```

```

declare b1 varchar(10);
declare done int default false;
declare c1 cursor for select roll,name from oldroll;
declare c2 cursor for select roll,name from newroll;
declare continue handler for not found set done=true;
open c1;
open c2;
loop1:loop
fetch c1 into a,a1;
if done then
leave loop1;
end if;
loop2:loop
fetch c2 into b,b1;
if done then
insert into newroll values(a,a1);
leave loop2;
end if;
if a=b then
leave loop2;
end if;
end loop;
end loop;
close c1;
close c2;
end $$

```

call rolldist() \$\$

select * from newroll \$\$

TRIGGER

```

create trigger deletedata2 after delete
on oldroll
for each row
begin

```

```
insert into logtable(roll,Name,Date)
values(old.roll,old.Name,curdate());
end;
$$
```

Q.2 Write a PL/SQL block to calculate the grade of minimum 10 students using database.
cursor.