

Assignment No 7

Creating cursor for storing the backup of all users

```
USE ecomsub;
delimiter $$;

create table backup_user(user_id int, email
varchar(255));
create procedure backup_user()
begin
    declare done int default 0;
    declare v_user_id int;
    declare v_email varchar(255);
    declare c1 cursor for select
user_id,email from users;
    declare continue handler for not found
set done =1;
    open c1;
    repeat
    fetch c1 into v_user_id,v_email;
    if done=0 then
        insert into backup_user values
(v_user_id,v_email);
```

```
    end if;
until done end repeat;
close cl;
end
```

```
MySQL 8.0 Command Line Client
mysql> use ecomsub
Database changed
mysql> delimiter $$
mysql> create procedure backup_user()
-> begin
-> declare done int default 0;
-> declare v_user_id int;
-> declare v_email varchar(255);
-> declare cl cursor for select user_id,email from users;
-> declare continue handler for not found set done =1;
-> open cl;
-> repeat
-> fetch cl into v_user_id,v_email;
-> if done=0 then
-> insert into backup_user values (v_user_id,v_email);
-> end if;
-> until done end repeat;
-> close cl;
-> end $$
Query OK, 0 rows affected (0.26 sec)

mysql>
```

Calling the procedure

call **backup_user**();

Selecting everything from backup

select * from backup_user;

```
MySQL 8.0 Command Line Client
mysql> use ecomsub
Database changed
mysql> delimiter $$
mysql> create procedure backup_user()
-> begin
-> declare done int default 0;
-> declare v_user_id int;
-> declare v_email varchar(255);
-> declare cl cursor for select user_id,email from users;
-> declare continue handler for not found set done =1;
-> open cl;
-> repeat
-> fetch cl into v_user_id,v_email;
-> if done=0 then
-> insert into backup_user values (v_user_id,v_email);
-> end if;
-> until done end repeat;
-> close cl;
-> end $$
Query OK, 0 rows affected (0.26 sec)

mysql> call backup_user();
-> $$
Query OK, 0 rows affected (0.87 sec)

mysql> select * from backup_user;
-> $$
+-----+-----+
| user_id | email          |
+-----+-----+
|      1  | shree@gmail.com |
|      4  | shree@gmail.com |
|      6  | amit@gmail.com  |
+-----+-----+
3 rows in set (0.00 sec)
```