Practice Questions

**Data**: hr\_emp database –> Locations table

select \* from locations;

set autocommit = 0; # autocommit(False); # in php (by default autocommit=1)

**Check the data present in the locations table**

select \* from locations where location\_id = 144; # pre-check

1. **How do you insert values into the "locations" table and commit the changes in SQL, ensuring that there are no issues with the insert statement?**

[Hint: check the data]

# insert -> commit

insert into locations values(144, "High street", 152436, "Los Angeles", "United States", "US");

**Check the data present in the locations table**

select \* from locations where location\_id = 144; # there is no error during insertion, issue commit command to save the changes permanently

commit; # after commit we can't issue rollback unless it is not commit to the database management system

1. **How do you delete a record in SQL and rollback the changes in SQL. check whether the record exists?** [Hint: check the data]

# delete -> rollback

delete from locations where location\_id = 144;

# check the data present in the locations table

rollback;

# check the data present in the locations table

select \* from locations where location\_id = 144;

1. **Perform the following steps in SQL:**

- Delete a record : id = 144

- Save the state : assign the state name like "inserted"

- Insert a new record : (144, "High street", 152436, "Los Angeles", "United States", "US")

- Save the state : assign the state name like "deleted"

- Rollback : change to delete state

# delete -> savepoint -> insert -> savepoint -> rollback

delete from locations where location\_id = 144;

savepoint deleted;

insert into locations values(144, "High street", 152436, "Los Angeles", "United States", "US");

savepoint inserted;

rollback to deleted;

commit;