**Test table with columns names and their respective types.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Recordid | Catagory | Created | Status |
| Type | Varchar2(30) | Varchar2(5) | Date | Integer |

**1. Participant will show how to retrieve all data in this table**

Select \* from testTable

This command selects all data (with \*) from a table with the name testTable. I would use this command if I wanted all the data available.

1. **Participant will show how to retrieve all data that matches some condition**

SELECT \* FROM testTable

WHERE Created = 01.01.2001

Like above, the command selects everything from testTable but adds a condition where the “Created” has to be the date 01.01.2001. I would use this command if I wanted data from the table that was created only on that specific date.

**3. Participant will show how to retrieve data for specific columns**

SELECT Recordid FROM testTable

The command selects the “Recordid” column and displays only that. I would use this if I wanted a list of all the Recordid in the database.

**4. Participant will show how to add a row to this table**

INSERT INTO testTable

VALUES (‘abc’, ‘alph’, ’04.11.2020’, ‘1’)

This adds a new row into the table with the data Recordid = abc, Category = alph, Created = 04.11.2020, and Status = 1.

If for any reason one of the columns will remain blank then the columns being updated would have to be specified (for instance lets ignore category)

INSERT INTO testTable (Recordid, Created, Status)

VALUES (‘abc’, ’04.11.2020’ ,’1’)

I would use this to add new rows to the database, either with all cells filled in or with some left blank if required. (For instance if you get a new contract or customer)

**5. Participant will show how to modify a specific row in this table**

UPDATE testTable

SET Status = ‘0’

WHERE Recordid = ‘abc’

Assuming we added the row from last task, if we wish to update it we would use the above command. This changes the status from 1 to 0 if the matching Recordid is ‘abc’. I would use this or something similar if data has to be updated (for instance someone changed category or a contract got cancelled)

**6. Participant will show how to Remove a row in this table.**

DELETE FROM testTable

WHERE Recordid = ‘abc’

This deletes the data that we added (and updated) in the previous two tasks. I would use this if there was no longer any need to keep this specific data.