**We loaded our database with sample data and tested all the queries. We were able to get every result accurately doing that. We have added all the files to this submission, including script to add tables, drop tables, insert data, run all queries at once and all queries separately as well. Please feel free to use or modify it as required.**

```
--Query for all the methods used on a specific bone

SELECT method_name AS "Method Name", mbone_name AS "Bone"

FROM method

WHERE mbone_name = 'BU-01-01';


--Query to represent all the methods used to determine age

SELECT distinct method_name, MBONE_NAME, paper AS "description", MEASURE_TYPE,
MEASURE_VALUE

FROM method

WHERE measure_type = 'Age'

order by METHOD_NAME;


--Cases with blunt force or gun shot trauma with their description

SELECT *

FROM trauma, casefile, bone

WHERE bone.bcase_number = casefile.case_number

AND trauma.TBONE_NAME = bone.BONE_NAME

AND (trauma.trauma_type = 'Blunt Force' OR trauma.trauma_type = 'Gun Shot');


--This Query gives all the cases and trauma reports for every case with gender female

SELECT trauma.tbone_name, casefile.case_number, casefile.person_sex, trauma.trauma_type,
trauma.trauma_time

FROM trauma, casefile, bone

WHERE bone.bcase_number = casefile.case_number

AND trauma.TBONE_NAME = bone.BONE_NAME
```

```
AND casefile.person_sex = 'Female';



--All the totals of ERA types, Identification data and Maxwell transfer

SELECT

COUNT (CASE WHEN era='Modern' THEN 1 END) as "Modern Total",

COUNT (CASE WHEN era='Historic' THEN 1 END) as "Historic Total",

COUNT (CASE WHEN era='Prehistoric' THEN 1 END) as "Prehistoric Total",

COUNT (CASE WHEN if_identified='Yes' THEN 1 END) as "Identified Total",

COUNT (CASE WHEN if_identified='No' THEN 1 END) as "D.O.E. Total",

COUNT (CASE WHEN to_maxwell='Yes' THEN 1 END) as "Maxwell Total",

COUNT (CASE WHEN to_maxwell ='Yes' AND if_identified ='Yes' THEN 1 END) as "Maxwell Identified
Total"

FROM casefile;


--Report based on an age range

SELECT *

FROM casefile, trauma, pathology, decomposition, method, bone

WHERE bone.bcase_number = casefile.case_number

AND trauma.tbone_name = bone.BONE_NAME

AND pathology.pbone_name = bone.BONE_NAME

AND decomposition.de_bone_name = bone.BONE_NAME

AND method.mbone_name = bone.BONE_NAME

AND (casefile.person_age BETWEEN 0 AND 40);


--Full report based on case number.

Select *
```

```
FROM
CASEFILE,BONE,DECOMPOSITION,DAMAGE,GENERIC,IMAGE,METHOD,PATHOLOGY,RECOVERED,TRAUM
A

WHERE bone.bcase_number = casefile.case_number

AND casefile.case_number = 'BU-03'

AND trauma.tbone_name = bone.BONE_NAME

AND pathology.pbone_name = bone.BONE_NAME

AND decomposition.de_bone_name = bone.BONE_NAME

AND method.mbone_name = bone.BONE_NAME

AND damage.da_bone_name = bone.BONE_NAME

AND generic.gbone_name = bone.BONE_NAME

AND recovered.rbone_name = bone.BONE_NAME

AND image.icase_number = bone.bcase_number

ORDER BY casefile.case_number;
```