--Building a descending average score table “Emergency Department”.

DROP TABLE EMR\_AVG;

CREATE TABLE EMR\_AVG AS

SELECT hospital\_name, AVG(score) AS emr\_avg\_score FROM ER\_time\_effec WHERE condition = 'Emergency Department'

GROUP BY hospital\_name

ORDER BY emr\_avg\_score DESC;

--Building a descending average score table for “Surgical Care Improvement”.

DROP TABLE SCI\_AVG;

CREATE TABLE SCI\_AVG AS

SELECT hospital\_name, AVG(score) AS sci\_avg\_score FROM ER\_time\_effec WHERE condition = 'Surgical Care Improvement Project'

GROUP BY hospital\_name

ORDER BY sci\_avg\_score DESC;

--Building a descending average score table for “Children’s Asthma”.

DROP TABLE ASTH\_AVG;

CREATE TABLE ASTH\_AVG AS

SELECT hospital\_name, AVG(score) AS asth\_avg\_score FROM ER\_time\_effec WHERE meas\_id = 'CAC\_3'

GROUP BY hospital\_name

ORDER BY asth\_avg\_score DESC;

--Building a descending average score for “Heart Failure”.

DROP TABLE HF\_AVG;

CREATE TABLE HF\_AVG AS

SELECT hospital\_name, AVG(score) AS hf\_avg\_score FROM ER\_time\_effec WHERE condition = 'Heart Failure'

GROUP BY hospital\_name

ORDER BY hf\_avg\_score DESC;

--Building a descending average score table for “Stroke Care” .

DROP TABLE SC\_AVG;

CREATE TABLE SC\_AVG AS

SELECT hospital\_name, AVG(score) AS sc\_avg\_score FROM ER\_time\_effec WHERE condition = 'Stroke Care'

GROUP BY hospital\_name

ORDER BY sc\_avg\_score DESC;

--Building a descending average score table for “Pneumonia”.

DROP TABLE PNEU\_AVG;

CREATE TABLE PNEU\_AVG AS

SELECT hospital\_name, AVG(score) AS pneu\_avg\_score FROM ER\_time\_effec WHERE condition = 'Pneumonia'

GROUP BY hospital\_name

ORDER BY pneu\_avg\_score DESC;

--Building a descending table that takes the average scores of each hospital for “Preventive Care” .

DROP TABLE PREV\_AVG;

CREATE TABLE PREV\_AVG AS

SELECT hospital\_name, AVG(score) AS prev\_avg\_score FROM ER\_time\_effec WHERE condition = 'Preventive Care'

GROUP BY hospital\_name

ORDER BY prev\_avg\_score DESC;

--Building a descending average score table for “Blood Clot Prevention and Treatment” .

DROP TABLE BC\_AVG;

CREATE TABLE BC\_AVG AS

SELECT hospital\_name, AVG(score) AS bc\_avg\_score FROM ER\_time\_effec WHERE condition = 'Blood Clot Prevention and Treatment'

GROUP BY hospital\_name

ORDER BY bc\_avg\_score DESC;

--Building a descending average score table for “Heart Attack or Chest Pain” .

DROP TABLE HEART\_AVG;

CREATE TABLE HEART\_AVG AS

SELECT hospital\_name, AVG(score) AS heart\_avg\_score FROM ER\_time\_effec WHERE condition = 'Heart Attack or Chest Pain'

GROUP BY hospital\_name

ORDER BY heart\_avg\_score DESC;

--Building a descending average score table for “Pregnancy and Delivery Care”.

DROP TABLE PREG\_AVG;

CREATE TABLE PREG\_AVG AS

SELECT hospital\_name, AVG(score) AS preg\_avg\_score FROM ER\_time\_effec WHERE condition = 'Pregnancy and Delivery Care'

GROUP BY hospital\_name

ORDER BY preg\_avg\_score DESC;

--Combining Emergency Department with Surgical Care Improvement score on average by hospital.

DROP TABLE JOIN1;

CREATE TABLE JOIN1 AS

SELECT EMR\_AVG.hospital\_name, EMR\_AVG.emr\_avg\_score, SCI\_AVG.sci\_avg\_score

FROM EMR\_AVG

INNER JOIN SCI\_AVG

ON EMR\_AVG.hospital\_name = SCI\_AVG.hospital\_name;

--Combining JOIN1 with Children’s Asthma score on average by hospital.

DROP TABLE JOIN2;

CREATE TABLE JOIN2 AS

SELECT ASTH\_AVG.hospital\_name, ASTH\_AVG.asth\_avg\_score, JOIN1.emr\_avg\_score, JOIN1.sci\_avg\_score

FROM ASTH\_AVG

INNER JOIN JOIN1

ON JOIN1.hospital\_name = ASTH\_AVG.hospital\_name;

--Combing JOIN2 with Heart Failure scores by hospital.

DROP TABLE JOIN3;

CREATE TABLE JOIN3 AS

SELECT HF\_AVG.hospital\_name, HF\_AVG.hf\_avg\_score, JOIN2.emr\_avg\_score, JOIN2.sci\_avg\_score, JOIN2.asth\_avg\_score

FROM HF\_AVG

INNER JOIN JOIN2

ON JOIN2.hospital\_name = HF\_AVG.hospital\_name;

--Combining JOIN3 with Stroke Care score on average by hospital.

DROP TABLE JOIN4;

CREATE TABLE JOIN4 AS

SELECT SC\_AVG.hospital\_name, SC\_AVG.sc\_avg\_score, JOIN3.emr\_avg\_score, JOIN3.sci\_avg\_score, JOIN3.asth\_avg\_score, JOIN3.hf\_avg\_score

FROM SC\_AVG

INNER JOIN JOIN3

ON JOIN3.hospital\_name = SC\_AVG.hospital\_name;

--Combining JOIN4 with Pneumonia score on average by hospital.

DROP TABLE JOIN5;

CREATE TABLE JOIN5 AS

SELECT PNEU\_AVG.hospital\_name, PNEU\_AVG.pneu\_avg\_score, JOIN4.emr\_avg\_score, JOIN4.sci\_avg\_score, JOIN4.asth\_avg\_score, JOIN4.hf\_avg\_score, JOIN4.sc\_avg\_score

FROM PNEU\_AVG

INNER JOIN JOIN4

ON JOIN4.hospital\_name = PNEU\_AVG.hospital\_name;

--Combing JOIN5 with Preventive score on average by hospital.

DROP TABLE JOIN6;

CREATE TABLE JOIN6 AS

SELECT PREV\_AVG.hospital\_name, PREV\_AVG.prev\_avg\_score, JOIN5.emr\_avg\_score, JOIN5.sci\_avg\_score, JOIN5.asth\_avg\_score, JOIN5.hf\_avg\_score, JOIN5.sc\_avg\_score, JOIN5.pneu\_avg\_score

FROM PREV\_AVG

INNER JOIN JOIN5

ON JOIN5.hospital\_name = PREV\_AVG.hospital\_name;

--Combining JOIN6 with Blood Clot Prevention and Treatment on average by hospital.

DROP TABLE JOIN7;

CREATE TABLE JOIN7 AS

SELECT BC\_AVG.hospital\_name, BC\_AVG.bc\_avg\_score, JOIN6.emr\_avg\_score, JOIN6.sci\_avg\_score, JOIN6.asth\_avg\_score, JOIN6.hf\_avg\_score, JOIN6.sc\_avg\_score, JOIN6.pneu\_avg\_score, JOIN6.prev\_avg\_score

FROM BC\_AVG

INNER JOIN JOIN6

ON JOIN6.hospital\_name = BC\_AVG.hospital\_name;

--Combining JOIN7 with Heart Attack or Chest Pain on average by hospital.

DROP TABLE JOIN8;

CREATE TABLE JOIN8 AS

SELECT HEART\_AVG.hospital\_name, HEART\_AVG.heart\_avg\_score, JOIN7.emr\_avg\_score, JOIN7.sci\_avg\_score, JOIN7.asth\_avg\_score, JOIN7.hf\_avg\_score, JOIN7.sc\_avg\_score, JOIN7.pneu\_avg\_score, JOIN7.prev\_avg\_score, JOIN7.BC\_avg\_score

FROM HEART\_AVG

INNER JOIN JOIN7

ON JOIN7.hospital\_name = HEART\_AVG.hospital\_name;

--Combining JOIN8 with Pregnancy and Delivery on average by hospital.

DROP TABLE JOIN9;

CREATE TABLE JOIN9 AS

SELECT PREG\_AVG.hospital\_name, PREG\_AVG.preg\_avg\_score, JOIN8.emr\_avg\_score, JOIN8.sci\_avg\_score, JOIN8.asth\_avg\_score, JOIN8.hf\_avg\_score, JOIN8.sc\_avg\_score, JOIN8.pneu\_avg\_score, JOIN8.prev\_avg\_score, JOIN8.BC\_avg\_score, JOIN8.heart\_avg\_score

FROM PREG\_AVG

INNER JOIN JOIN8

ON JOIN8.hospital\_name = PREG\_AVG.hospital\_name;

--New rank table for JOIN9 for first five columns.

DROP TABLE TIME\_F5\_RANK;

CREATE TABLE TIME\_F5\_RANK AS

SELECT hospital\_name,

RANK() OVER (ORDER BY emr\_avg\_score DESC) AS emr\_rank,

RANK() OVER (ORDER BY sci\_avg\_score DESC) AS sci\_rank,

RANK() OVER (ORDER BY asth\_avg\_score DESC) AS asth\_rank,

RANK() OVER (ORDER BY hf\_avg\_score DESC) AS hf\_rank,

RANK() OVER (ORDER BY sc\_avg\_score DESC) AS sc\_rank

FROM JOIN9;

-- New rank table for JOIN9 for last five columns.

DROP TABLE TIME\_L5\_RANK;

CREATE TABLE TIME\_L5\_RANK AS

SELECT hospital\_name,

RANK() OVER (ORDER BY pneu\_avg\_score DESC) AS pneu\_rank,

RANK() OVER (ORDER BY prev\_avg\_score DESC) AS prev\_rank,

RANK() OVER (ORDER BY BC\_avg\_score DESC) AS BC\_rank,

RANK() OVER (ORDER BY heart\_avg\_score DESC) AS heart\_rank,

RANK() OVER (ORDER BY preg\_avg\_score DESC) AS preg\_rank

FROM JOIN9;

--Building the two tables with the average scores ranked in top 5 and last 5.

DROP TABLE TIME\_EFEC\_TOT;

CREATE TABLE TIME\_EFEC\_TOT AS

SELECT TIME\_F5\_RANK.hospital\_name, TIME\_F5\_RANK.emr\_rank, TIME\_F5\_RANK.sci\_rank, TIME\_F5\_RANK.asth\_rank, TIME\_F5\_RANK.hf\_rank, TIME\_F5\_RANK.sc\_rank, TIME\_L5\_RANK.pneu\_rank, TIME\_L5\_RANK.prev\_rank, TIME\_L5\_RANK.BC\_rank, TIME\_L5\_RANK.heart\_rank, TIME\_L5\_RANK.preg\_rank

FROM TIME\_F5\_RANK

INNER JOIN TIME\_L5\_RANK

ON TIME\_F5\_RANK.hospital\_name = TIME\_L5\_RANK.hospital\_name;

--Ranking the categories scores.

DROP TABLE EFFEC\_FIN;

CREATE TABLE EFFEC\_FIN AS

SELECT hospital\_name, emr\_rank, sci\_rank, asth\_rank, hf\_rank, sc\_rank, pneu\_rank, prev\_rank, BC\_rank, heart\_rank, preg\_rank,

(emr\_rank + sci\_rank + asth\_rank + hf\_rank + sc\_rank + pneu\_rank + prev\_rank + BC\_rank + heart\_rank + preg\_rank)/10 AS test\_avg

FROM TIME\_EFEC\_TOT

ORDER BY test\_avg ASC;

-- Ranking the average scores for categories from the Readmissions and Deaths file.

DROP TABLE READ\_AVG;

CREATE TABLE READ\_AVG AS

SELECT hospital\_name, AVG(score) AS read\_avg\_score FROM ER\_read\_deaths

GROUP BY hospital\_name

ORDER BY read\_avg\_score DESC;

--Combining the average score from the Readmissions and Deaths table with previous rank table.

DROP TABLE HOSP\_QUAL\_JOINS;

CREATE TABLE HOSP\_QUAL\_JOINS AS

SELECT EFFEC\_FIN.hospital\_name, EFFEC\_FIN.test\_avg, READ\_AVG.read\_avg\_score

FROM EFFEC\_FIN

INNER JOIN READ\_AVG

ON EFFEC\_FIN.hospital\_name = READ\_AVG.hospital\_name

ORDER BY EFFEC\_FIN.test\_avg;

--Building the last combining table the Readmission and Death and Time and Effective.

SELECT \* FROM HOSP\_QUAL\_JOINS LIMIT 10;