**QUESTION 1**.

SELECT FIRST\_NAME, LAST\_NAME, JOB\_TITLE, START\_DATE

FROM EMPLOYEE;

FIRST\_NAME LAST\_NAME JOB\_TITLE START\_DATE

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BRYAN DAVIS ANAYLST 16-DEC-15

BRIAN LYNN COORDINATOR 18-FEB-15

JESSICA DAVIS MANAGER 01-OCT-14

RYAN GIGGS ACCOUNTANT 16-OCT-16

**QUESTION 2**.

SELECT E.FIRST\_NAME, E.LAST\_NAME, S.SKILLS, Q.YEARS\_OF\_EXPERIENCE

FROM EMPLOYEE E, EMPLOYEE\_SKILLS S, EXPERIENCE Q

WHERE S.SKILLS\_ID = Q.SKILLS\_ID

ORDER BY SKILLS,YEARS\_OF\_EXPERIENCE DESC;

FIRST\_NAME LAST\_NAME SKILLS YEARS\_OF\_EXPERIENCE

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JESSICA DAVIS PROBLEM SOLVER 10

BRIAN LYNN PROBLEM SOLVER 10

BRYAN DAVIS PROBLEM SOLVER 10

RYAN GIGGS PROBLEM SOLVER 10

BRYAN DAVIS TEAM LEADER 6

BRIAN LYNN TEAM LEADER 6

JESSICA DAVIS TEAM LEADER 6

RYAN GIGGS TEAM LEADER 6

RYAN GIGGS WORK WELL UNDER PRESSURE 5

JESSICA DAVIS WORK WELL UNDER PRESSURE 5

BRYAN DAVIS WORK WELL UNDER PRESSURE 5

BRIAN LYNN WORK WELL UNDER PRESSURE 5

BRYAN DAVIS WORKS WELL INDEPENDENTLY 3

BRIAN LYNN WORKS WELL INDEPENDENTLY 3

JESSICA DAVIS WORKS WELL INDEPENDENTLY 3

RYAN GIGGS WORKS WELL INDEPENDENTLY 3

16 rows selected

**QUESTION 3.**

SELECT P.EMPLOYEE\_NO, E.FIRST\_NAME, E.LAST\_NAME, P.PROJECT\_NAME

FROM EMPLOYEE E, PROJECTS P

WHERE E.EMPLOYEE\_NO=P.EMPLOYEE\_NO

ORDER BY PROJECT\_NAME;

EMPLOYEE\_NO FIRST\_NAME LAST\_NAME PROJECT\_NAME

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E0003 BRIAN LYNN PROJECT DESERT

E0005 RYAN GIGGS PROJECT MOUNTAIN

E0004 JESSICA DAVIS PROJECT SAND

E0001 BRYAN DAVIS PROJECT SNOW

QUESTION 4.

SELECT P.PROJECT\_START\_DATE, P.PROJECT\_NAME, C.CLIENT\_NAME, C.CITY

FROM CLIENTS C, PROJECTS P

WHERE C.CLIENT\_ID=P.CLIENT\_ID AND PROJECT\_START\_DATE BETWEEN '1/DEC/2016' AND '30/DEC/2016';

PROJECT\_START\_DATE PROJECT\_NAME CLIENT\_NAME CITY

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16-DEC-16 PROJECT SNOW JOHN SNOW WREXHAM

20-DEC-16 PROJECT SAND HANNAH CHESTER BIRMINGHAM

**QUESTION 5.**

SELECT P.ACTUAL\_END\_DATE, P.PROJECT\_NAME, C.CLIENT\_NAME

FROM CLIENTS C, PROJECTS P

WHERE C.CLIENT\_ID=P.CLIENT\_ID

ORDER BY P.ACTUAL\_END\_DATE DESC;

ACTUAL\_END\_DATE PROJECT\_NAME CLIENT\_NAME

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02-JUL-17 PROJECT MOUNTAIN ANTHONY MARTIAL

02-JUN-17 PROJECT SNOW JOHN SNOW

10-MAR-17 PROJECT DESERT ASHLEY MCDONALD

30-JAN-17 PROJECT SAND HANNAH CHESTER

QUESTION 6.

SELECT A.HOUR\_WORKED, P.PROJECT\_NAME, E.EMPLOYEE\_NO, P.ACTUAL\_END\_DATE

FROM ASSIGNMENT A, PROJECTS P, EMPLOYEE E

WHERE E.EMPLOYEE\_NO=A.EMPLOYEE\_NO AND P.ACTUAL\_END\_DATE BETWEEN '1/JUN/2017' AND '30/JUN/2017';

HOUR\_WORKED PROJECT\_NAME EMPLOYEE\_NO ACTUAL\_END\_DATE

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50 PROJECT SNOW E0001 02-JUN-17

100 PROJECT SNOW E0003 02-JUN-17

15 PROJECT SNOW E0004 02-JUN-17

150 PROJECT SNOW E0005 02-JUN-17

**QUESTION 7.**

SELECT P.PROJECT\_NAME, P.PROJECT\_CODE, E.EMPLOYEE\_NO, E.LAST\_NAME

FROM PROJECTS P, EMPLOYEE E

WHERE E.EMPLOYEE\_NO=P.EMPLOYEE\_NO;

PROJECT\_NAME PROJECT\_CODE EMPLOYEE\_NO LAST\_NAME

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PROJECT SNOW P0123456789 E0001 DAVIS

PROJECT DESERT P1234567892 E0003 LYNN

PROJECT SAND P1234567893 E0004 DAVIS

PROJECT MOUNTAIN P1234567894 E0005 GIGGS

**QUESTION 8.**

SELECT A.HOUR\_WORKED, P.PROJECT\_NAME, E.EMPLOYEE\_NO,E.LAST\_NAME, E.FIRST\_NAME, P.ACTUAL\_END\_DATE, P.ACTUAL\_COST

FROM ASSIGNMENT A, PROJECTS P, EMPLOYEE E

WHERE E.EMPLOYEE\_NO=A.EMPLOYEE\_NO;

HOUR\_WORKED PROJECT\_NAME EMPLOYEE\_NO LAST\_NAME FIRST\_NAME ACTUAL\_END\_DATE ACTUAL\_COST

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50 PROJECT SNOW E0001 DAVIS BRYAN 02-JUN-17 A170.50

50 PROJECT DESERT E0001 DAVIS BRYAN 10-MAR-17 A360.50

50 PROJECT SAND E0001 DAVIS BRYAN 30-JAN-17 A950.50

50 PROJECT MOUNTAIN E0001 DAVIS BRYAN 02-JUL-17 A695.00

100 PROJECT SNOW E0003 LYNN BRIAN 02-JUN-17 A170.50

100 PROJECT DESERT E0003 LYNN BRIAN 10-MAR-17 A360.50

100 PROJECT SAND E0003 LYNN BRIAN 30-JAN-17 A950.50

100 PROJECT MOUNTAIN E0003 LYNN BRIAN 02-JUL-17 A695.00

15 PROJECT SNOW E0004 DAVIS JESSICA 02-JUN-17 A170.50

15 PROJECT DESERT E0004 DAVIS JESSICA 10-MAR-17 A360.50

15 PROJECT SAND E0004 DAVIS JESSICA 30-JAN-17 A950.50

15 PROJECT MOUNTAIN E0004 DAVIS JESSICA 02-JUL-17 A695.00

150 PROJECT SNOW E0005 GIGGS RYAN 02-JUN-17 A170.50

150 PROJECT DESERT E0005 GIGGS RYAN 10-MAR-17 A360.50

150 PROJECT SAND E0005 GIGGS RYAN 30-JAN-17 A950.50

150 PROJECT MOUNTAIN E0005 GIGGS RYAN 02-JUL-17 A695.00

16 rows selected

**QUESTION 9.**

SELECT P.PROJECT\_NAME, P.PROJECT\_START\_DATE, P.ACTUAL\_END\_DATE,A.DATE\_ASSIGNED, P.ACTUAL\_COST

FROM PROJECTS P, ASSIGNMENT A

WHERE P.PROJECT\_CODE=A.PROJECT\_CODE;

PROJECT\_NAME PROJECT\_START\_DATE ACTUAL\_END\_DATE DATE\_ASSIGNED ACTUAL\_COST

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PROJECT SNOW 16-DEC-16 02-JUN-17 11-NOV-16 A170.50

PROJECT DESERT 16-NOV-16 10-MAR-17 16-OCT-16 A360.50

PROJECT SAND 20-DEC-16 30-JAN-17 20-DEC-16 A950.50

PROJECT MOUNTAIN 01-NOV-16 02-JUL-17 01-NOV-16 A695.00

**QUESTION 10. NA.**

**QUESTION 1B. NA.**

**QUESTION 2B.**

INSERT INTO CLIENTS

VALUES('C00001', 'PAUL POGBA','P.POGBA@GMAIL.COM','WREXHAM','07547211542', 'ANDER HERRERA');

**QUESTION 3B.**

UPDATE EMPLOYEE SET HOURLY\_RATE = HOURLY\_RATE\* 0.2;

**QUESTION 4B.**

UPDATE PROJECTS SET ACTUAL\_END\_DATE = '30/JUN/2017', ACTUAL\_COST = 900.00

WHERE PROJECT\_NAME = 'PROJECT SNOW';

**QUESTION 5B.**

DELETE FROM PROJECTS WHERE EMPLOYEE\_NO = 'E0001';

It will not let me delete the record as there was a child record found which means the data is linked to another table so the only way to do it is you would need to delete the data from all of the tables that it is linked with.