Explain the difference between INNER JOIN, LEFT (OUTER) JOIN and RIGHT (OUTER) JOIN.

JOIN commands will produce a results table from the column values of two or more tables, based on a related column between them – Table A and Table B in this example.

INNER JOIN – will produce a results table with values from Table A and Table B as long as there is a match between them. For example if Table A has a value but the corresponding value in table B is null, then neither are returned.

LEFT (OUTER) JOIN - returns all records from the left table (Table A), and the matching records from the right table (Table B).

If there are empty values in Table B these will be returned alongside the value from Table A.

RIGHT (OUTER) JOIN - is the opposite of LEFT (OUTER) JOIN and returns all records from the right table (Table B), and the matching records from the left table (Table A).

If there are empty values in Table A these will be returned alongside the value from Table B.

RIGHT (OUTER) JOIN is not supported by all SQL database formats.