

Logical operators

Worksheet 1



What is meant by a parameter?



Complete the following table by explaining the meaning of the following *comparison operators* which are used in queries.

=	
>	
<	
>=	
<=	
<>	



List the logical operators and what they are expected to return when used in queries.

Logical operators

Worksheet 1

4

The following diagram shows part of a membership database.

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0001	Byrne	Catherine	F	16	London	2010
	0003	Smith	Alice	F	20	Manchester	2008
	0005	Brown	John	M	18	London	2011
	0009	Smith	Ann	F	17	London	2009
	0010	Green	Colin	M	18	Newcastle	2007
	0011	Cooper	Jack	M	16	Manchester	2013
	0012	Grantham	Oliver	M	16	London	2012
	0013	Cooper	Rosie	F	16	Birmingham	2013
	0015	Smith	William	M	18	Manchester	2009
	0017	Grantham	Sam	M	16	London	2013
	0020	Harris	Gina	F	17	Chelmsford	2012
	0021	Jones	Hannah	F	20	Ipswich	2009
	0022	Lorris	Ben	M	17	London	2008
	0025	Morris	Alison	F	19	Manchester	2009
	0030	Noble	David	M	20	London	2009

State the search criteria which would have been input to produce the following results.

(a)

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0005	Brown	John	M	18	London	2011
	0010	Green	Colin	M	18	Newcastle	2007
	0015	Smith	William	M	18	Manchester	2009
	0030	Noble	David	M	20	London	2009

(b)

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0010	Green	Colin	M	18	Newcastle	2007
	0020	Harris	Gina	F	17	Chelmsford	2012

Logical operators

Worksheet 1

4

(c)

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0005	Brown	John	M	18	London	2011
	0011	Cooper	Jack	M	16	Manchester	2013
	0012	Grantham	Oliver	M	16	London	2012
	0017	Grantham	Sam	M	16	London	2013

(d)

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0001	Byrne	Catherine	F	16	London	2010
	0009	Smith	Ann	F	17	London	2009

(e)

	Member ID	Surname	First Name	Gender	Age	City	Year Joined
	0001	Byrne	Catherine	F	16	London	2010
	0009	Smith	Ann	F	17	London	2009
	0013	Cooper	Rosie	F	16	Birmingham	2013
	0020	Harris	Gina	F	17	Chelmsford	2012
	0021	Jones	Hannah	F	20	Ipswich	2009