Reading Selection Task: shop Database

Answer the questions referring to the single table shop database:

|  |  |  |  |
| --- | --- | --- | --- |
| **ShopID** | **ShopName** | **YearOpened** | **ShopType** |
| 1 | Sainsco | 2010 | Supermarket |
| 2 | Ariam | 2013 | Ironmongers |
| 3 | Hairy Bear | 2008 | Barber |
| 4 | Asdl | 2007 | Supermarket |
| 5 | Roses are Red | 2001 | Flower |

1. Write down the result of the SQL statement:

SELECT ShopName, ShopType FROM shop

|  |  |
| --- | --- |
| Sainsco | Supermarket |
| Ariam | Ironmongers |
| Hairy Bear | Barber |
| Asdl | Supermarket |
| Roses are Red | Flower |

1. Write down the result of the SQL statement:

SELECT ShopName, YearOpened

FROM shop

WHERE YearOpened > 2008

|  |  |
| --- | --- |
| Sainsco | 2010 |
| Ariam | 2013 |

1. Write down the result of the SQL statement:

SELECT ShopName, ShopType, YearOpened

FROM shop

WHERE yearOpened < 2008 AND

ShopType = “Supermarket”

|  |  |  |
| --- | --- | --- |
| Asdl | Supermarket | 2007 |

Writing Selection Task: Students Database

Open the database called: [db/*students.db*](db/students.db)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **studentID** | **firstname** | **surname** | **dateofbirth** | **teacher** |
| 124 | Bart | Simpson | 2010-04-01 | Principal Skinner |
| 291 | Lisa | Simpson | 2012-05-20 | Mrs Krabapple |
| 423 | Ralph | Wiggum | 2010-06-16 | Mrs Krabapple |
| 712 | Nelson | Muntz | 2009-09-14 | Principal Skinner |
| 917 | Milhouse | van Hauten | 2009-12-19 | Principal Skinner |

SELECT \* from student

Write SQL statements that selects:

1. all the data in the table

SELECT \* FROM student

1. the attributes *firstname, surname* and *dateofbirth*

SELECT firstname, surname, dateofbirth FROM student

1. the firstname and surname of all pupils whose teacher is Principal Skinner

SELECT firstname, surname

FROM student

WHERE teacher=“Principal Skinner”

1. the firstname and surname of all pupils whose date of birth is after 1/1/10. Here is an example to help you:

WHERE dateofbirth < DATE("2010-05-01")

SELECT firstname, surname

FROM student

WHERE DateOfBirth > DATE("2010-01-01")

1. the firstname and surname of all pupils whose date of birth is after 1/1/10 and whose teacher is Principal Skinner

SELECT firstname, surname FROM student WHERE teacher=“Principal Skinner” AND

DateOfBirth > DATE("2010-01-01")

1. the firstname and surname of all pupils whose date of birth is after 1/1/10 and whose teacher is Mrs Krabapple and displays them descending order by surname

SELECT firstname, surname FROM student

WHERE teacher=“Mrs Krabapple AND

DateOfBirth > DATE("2010-01-01")

ORDER BY Surname DESSC