

# 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

2. Write down the result of the SQL statement:

```
SELECT ShopName, YearOpened
```

```
FROM shop
```

```
WHERE YearOpened > 2008
```

Sainsco	2010
Ariam	2013

3. 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](#)

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 Houten	2009-12-19	Principal Skinner

SELECT \* from student

Write SQL statements that selects:

- 1) all the data in the table

```
SELECT * FROM student
```

- 2) the attributes *firstname*, *surname* and *dateofbirth*

```
SELECT firstname, surname, dateofbirth FROM student
```

- 3) the firstname and surname of all pupils whose teacher is Principal Skinner

```
SELECT firstname, surname  
FROM student  
WHERE teacher="Principal Skinner"
```

- 4) 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")
```

- 5) 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")
```

- 6) 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
```