

## VSC Assessment

### Question1

Create a data model for a data object which will store all the people belonging to the church. It needs to include fields for the name, surname, birthday, telephone number and if they are still alive.

### Answer

```
CREATE TABLE church_list (  
  name string,  
  surname string,  
  birthday date,  
  telephone number,  
);
```

### Question 2

Two people can be married to each other.

What changes to the data object would you do to indicate that two people are married?

### Answer

Add 2 more Fields Married which takes in Yes and No and a spouse ID field

### Question 3

People can have children who also belongs to the church.

What changes would you make to the data model to store children and show their relationship to people.

### Answer

Add 3 Fields is\_parent, is\_child which takes in a yes and a no and a child\_Id field to save under the parent

### Question 4

What logic would you use in order to determine how many of the people belonging to the church are parents.

### Answer

```
SELECT COUNT(is_Parent, is_child)  
FROM church_list  
WHERE is_parent = "Yes" ;
```

### Question 5

What logic would you use to determine how many single parents there are with children under the age of 10.

### Answer

```
SELECT COUNT(is_Parent)  
FROM church_list  
WHERE is_parent = "Yes";
```

