**Datatypes in databases:**

Write a suitable data type and validation check for each of the fields in the table below:

Table ***CUSTOMER*:**

|  |  |  |
| --- | --- | --- |
| **Example field** | **Data type** | **Validation** |
| Telephone number | Intiger | Has >7 digits |
| Name | Text | Is set text |
| Date of birth | Intiger | Is the set date of birth |
| Post code | Text | Is set pose code |
| Registration fee | Intiger | Is the set fee |
| Registration fee paid | Intiger | Is amount paid |
| Registration number | Intiger | Is in database |
| Gender | Text | Is M or F |

Now complete the query below for the table ***CUSTOMER*** above. Show all records from gender ‘m’ who live in the N6 post code. It should be sorted in order of date of birth from youngest person to oldest person. Show the Name of each customer and their post code.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Gender | Post code | Date of birth | Name |
| Table | CUSTOMER | CUSTOMER | CUSTOMER | CUSTOMER |
| Sort |  |  | Descending |  |
| Show |  | Show |  | Show |
| Criteria | Is M |  |  |  |
| Or |  |  |  |  |

**Datatypes key words:**

Write a description of the following key words for a database:

**Table:**

A table is a method for storing data that is easily readable/accessible for a human user – and it is split into many boxes with columns and rows.

**Record:**

A row of data in the table

**Field:**

A column of data in a table

**Primary key:**

A unique identifying piece of data that identifies the other pieces of data in that record.

**Database:**

Information stored in a way accessible to people.