* Use the example of a date in the format dd/mm/yyyy when answering these three questions.

1. Consider the following eight pieces of data and decide whether each data item is normal, extreme or abnormal (tick the appropriate box) for:
2. Day (dd)
3. Month (mm)
4. Year (yyyy)

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Normal** | **Extreme** | **Abnormal** |
| 15 |  |  |  |
| 12 |  |  |  |
| 7 |  |  |  |
| 1.6 |  |  |  |
| 0 |  |  |  |
| 1 |  |  |  |
| March |  |  |  |
| 10 |  |  |  |

1. Describe what validation routines could be used to check the date if it was input on the screen as follows:

Day:

Month:

Year:

* Describe how it would be possible to avoid errors altogether when inputting the date in the form shown above.

1. Write test data for the following fields in a database (the data should try to cover all possible types of data). The database will store the following information:

* Name of resort
* Average daily temperature
* Number of hours if sunshine per day
* Describe the validation routines that should be written into the database interface to check the above inputs.