

# **Text Manipulation**

Produce a program to accept a date from a person in the following format dd/mm/yyyy.

Using the skills that you have learnt with string manipulation and Selection Statements make a program that will do the following:

Output the date in the form: 23rd October 2003, 14th July 2004,

1st November 2006

To achieve this:

* Accept the date as a new variable (Data Type – String)  
  *NB You cannot use Date as a variable name as it is the name of a function*
* Use text manipulation functions to separate the day, month and year (e.g. SubString)
* Use a SWITCH or IF statement to determine the month name
* Use a SWITCH or CASE statement to determine if the day would end in st, th, rd, nd
* Concatenate the day with the appropriate ending
* Output this with the appropriate month and year.

## Extras

* Add a check to make sure the date is valid, (i.e. has the correct number of days in the month),if not then output a message box to alert the user.
* Can you incorporate leap year validation?
* Ensure that if the day starts with a zero that this is removed.
* Check to ensure that the entered date has the correct number of characters (i.e. has been entered in the correct format of dd/mm/yyyy)
* Test your programme thoroughly with a variety of suitable inputs.

