

## DATABASES 3

Your school keeps details of their teachers in a database. They use codes for some of the information.

A copy of their main table looks like the one below:

1	2	3	4	5
Jane Jones	F	PE	F	BA
Simon Brown	M	HI	F	BA
Judith Mathers	F	EN	F	BA
Lois Burns	F	GG	P	BEd
Malcolm Field	M	FR	F	PHD
David Chase	M	SC	P	MSc
Margaret Foster	F	MA	P	BSc
Sally Chadwick	F	ICT	F	BSc
Patrick Roylick	M	DT	F	MA
Richard Brand	M	RE	S	MA

Some of the fields in this table might be a little hard to understand at first. The school have shortened the answers and made them into a code.

What do you think the advantages of storing data as a code might be?

.....  
.....

The field headings should be:

Name	Gender	Subject	Full/Part time	Qualification
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Which subjects do you think these codes stand for :

Code	Subject
PE	
HI	
EN	
GG	
FR	
SC	
MA	
ICT	
DT	
RE	

The codes for qualifications are:

BSc = Batchelor of Science

Bed = Batchelor of Education

MSc = Master of Science

BA = Batchelor of Arts

PHD = Doctor of Philosophy

MA = Master of Arts

Write the teacher's qualifications in full

Name	Qualification
Jane Jones	
Simon Brown	
Judith Mathers	
Lois Burns	
Malcolm Field	
David Chase	
Margaret Foster	
Sally Chadwick	
Patrick Roylick	
Richard Brand	

One piece of data is probably wrong in the database.

Which one do you think it is? .....

How many male teachers work at the school? .....

How many female teachers work part time? .....

Which teacher has an MSc and is male? .....

Which teachers are female and have a BA? .....

The following teachers will be joining in September. Add their details to the database:

- Mrs Gillian White who teachers science, works full time and has a Master of Science degree
- Mr Julian Waite who works part time teaching history and has a Batchelor of Arts degree

Name	Gender	Subject	Full/Part time	Qualification

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- Print out enough copies to use during the lesson

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