# Unit 2.3 Robust Programs - Activity 1

Print and cut out the following grid of statements and headings and place into an envelope/pack. Learners should then sort them into the correct headings/rows to create a complete definition of each validation check and appropriate example.

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| Validation Check | Description | Example |
| Check digit | the last one or two digits in a code are used to check the other digits are correct | bar code readers in supermarkets use check digits |
| Format check | checks the data is in the right format | a National Insurance number is in the form LL 99 99 99 L where L is any letter and 9 is any number |
| Length check | checks the data isn't too short or too long | a password which needs to be six letters long |
| Lookup table | looks up acceptable values in a table | there are only seven possible days of the week |
| Presence check | checks that data has been entered into a field | in most databases a key field cannot be left blank |
| Range check | checks that a value falls within the specified range | number of hours worked must be less than 50 and more than 0 |
| Spell check | looks up words in a dictionary | MS Word uses red lines to underline misspelt words |

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