**Data validation** **21/01/21**

Syntax error = error in the code.

When the compiler finds something wrong with your program and is not able to execute it.

Run time error = when the program cannot interpret the code.

This is an error that occurs whilst the program is running

Logic error = use of wrong symbol.

A logic error, or bug, is when your program compiles and runs, but does the wrong thing

**Presence check:** A presence check assesses whether data is present – that is, whether it exists.

**Range check:** A range check assesses whether data is entered is within a valid minimum – to – maximum range.

**Length check:** A length check assesses how many characters have been entered. Some very well-known inputs have limited length.

**Type check:** A type check assesses whether the data entered is of the correct data type.

**Format check:** A format check assesses whether the data entered is in the correct format.