Data Checking

- Data Verification:
  - Method of ensuring the user types in what was intended
  - Ensure user does not make any mistakes while entering data
  - Checks if data input matches original source to find out if input is accurate
  - E.g.:
    - Double entry matching: prevent incorrect data input
    - Proofreading: checks data entered against original document/database
    - Echo: system repeats entered data

- Data Validation:
  - Has nothing to do with user's intentions
  - Method of ensuring input data conforms with requirements of the system
  - Prevents data errors
  - E.g.:
    - Format check: checks that data is in the right format
    - Range check: avoid input number that is out of a restricted range