# Task 10.1DN Exception Handling — Report

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*Add more rows to any table if necessary*

## Number Input Example

### No exception handling

|  |  |
| --- | --- |
| **Numbers typed** | **Output** |
| 121221, 23234, 4545 | 121221, 23234, 4545 |
| 32,43,hello | ValueError: invalid literal for int() with base 10: 'hello' |

### After adding exception handling for **ValueError**

|  |  |
| --- | --- |
| **Numbers typed** | **Output** |
| 32, 54, 23 | 32, 54, 23 |
| 32,43,hello | Cannot interpret input as a number |

## List Access Example

### No exception handling

|  |  |
| --- | --- |
| **Index** | **Output** |
| 0,1,2 | 7,3,9 |
| -98343 | IndexError: list index out of range |

### After adding exception handling for **IndexError**

|  |  |
| --- | --- |
| **Index** | **Output** |
| 0,1,2 | 7,3,9 |
| -98343 | Index -98343 is out of range |

## File Reading Example

### No exception handling

|  |  |  |
| --- | --- | --- |
| **File name** | **Reason chosen** | **Result (‘OK’ or exception name)** |
| Example | It does not exist | FileNotFoundError: |
| 10.1DN\_Exception\_Handling/10.1DN\_Exception\_Handling\_Report.docx | It exists | UnicodeDecodeError: |

### After adding handling for FileNotFoundError: UnicodeDecodeError:

|  |  |  |
| --- | --- | --- |
| **File name** | **Reason chosen** | **Result (‘OK’ or error output)** |
| Example | It does not exist | File Example not found |
| 10.1DN\_Exception\_Handling/10.1DN\_Exception\_Handling\_Report.docx | It exists | File 10.1DN\_Exception\_Handling\_Report.docx is not a text file |

## Read a Web Page Example

**Name of exception type(s) handled:** URLError: ValueError:

|  |  |  |
| --- | --- | --- |
| **URL** | **Reason chosen** | **Result (‘page contents were displayed’ or error output)** |
| www.utas.edu.au | Not a proper url, chosen to check value error | unknown url type: 'www.utas.edu.au' |
| https://www.utas.edu.au/ | A valid url, chosen to check the exception output | URLError: <urlopen error [SSL: CERTIFICATE\_VERIFY\_FAILED] certificate verify failed: unable to get local issuer certificate (\_ssl.c:1018)> |