Screen Capture #1

```python
1    #! /usr/bin/env python3
2
3    # Get a number from the user
4    number = int(input("Enter an integer to square: "))
5
6    # Display the number squared
7    print("Display the number squared:" + str(number * number))
8
```

PROBLEMS   OUTPUT   TERMINAL   GITLENS   DEBUG CONSOLE

```
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 6$ /usr/local/bin/python3.9 "/Users/zmeyer/Documents/projec
y"
Enter an integer to square: six
Traceback (most recent call last):
  File "/Users/zmeyer/Documents/projects/CIMP8A/Week 7/assignment_08_01.py", line 4, in <module>
    number = int(input("Enter an integer to square: "))
ValueError: invalid literal for int() with base 10: 'six'
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 6$ 
```

Screen Capture #2

```python
1    #! /usr/bin/env python3
2
3    try:
4        # Get a number from the user
5        number = int(input("Enter an integer to square: "))
6
7        # Display the number squared
8        print("Display the number squared:" + str(number * number))
9    except ValueError:
10       # Display an invalid entry message
11       print("You entered an invalid integer")
12
```

PROBLEMS   OUTPUT   TERMINAL   GITLENS   DEBUG CONSOLE

```
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 6$ /usr/local/bin/python3.9 "/
y"
Enter an integer to square: seven
You entered an invalid integer
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 6$ 
```

Screen Capture #3

```
zmeyer@syn0095:~/Documents/projects/CIMP8A$ /u
The Total Calculator Program

Enter price: 9,99
Invalid decimal number. Please try again.
Enter price: 9.99
Enter quantity: $
Invalid integer. Please try again.
Enter quantity: 5


PRICE:          9.99
QUANTITY:       5
TOTAL:          49.95
```

Screen Capture #4

```python
 1   #! /usr/bin/env python3
 2
 3   # Prompt for the filename
 4   filename = input("Enter the OS filename: ")
 5
 6   OS = []
 7
 8   try:
 9       # Try to open the file
10       with open("$HOME/Desktop/" + filename) as file:
11           for line in file:
12               # Add the OS to the list
13               line = line.replace("\n", "")
14               OS.append(line)
15   except FileNotFoundError:
16       # Display a file not found error
17       print("Could not find the file " + filename)
18   except OSError:
19       # Display an error reading file message
20       print("File found - error reading file")
21   except Exception:
22       # Display a generic error message
23       print("An unexpected error occurred")
24
```

PROBLEMS   OUTPUT   **TERMINAL**   GITLENS   DEBUG CONSOLE

```
zmeyer@syn0095:~/Documents/projects/CIMP8A$ /usr/local/bin/py
Enter the OS filename: OS.text
Could not find the file OS.text
zmeyer@syn0095:~/Documents/projects/CIMP8A$ ▊
```

Screen Capture #5

```
zmeyer@syn0095:~/Documents/projects/CIMP8A$ /usr/local/bin/python3.9 "/Users/zmeyer
Enter the OS filename: os.text
FileNotFoundError: [Errno 2] No such file or directory: '$HOME/Desktop/os.text'
zmeyer@syn0095:~/Documents/projects/CIMP8A$ ▊
```

Screen Capture #6

```
zmeyer@syn0095:~/Documents/projec
The Movie List program

COMMAND MENU
list - List all movies
add - Add a movie
del - Delete a movie
exit - Exit program

Could not find movies.csv file.
Terminating program.
```

Screen Capture #7

```
zmeyer@syn0095:~/Documents/projects/CIMP8A/We
The Movie List program

COMMAND MENU
list - List all movies
add - Add a movie
del - Delete a movie
exit - Exit program

Command: del
Number: aaa
Invalid movie number, please try again.
Number: 2
On the Waterfront was deleted.
```

Screen Capture #8

```python
1    #! /usr/bin/env python3
2
3    import sys
4    import os
5
6    # Prompt for the filename
7    filename = input("Enter the OS filename: ")
8
9    OS = []
10
11   try:
12       # Try to open the file
13       with open(filename) as file:
14           try:
15               for line in file:
16                   # Add the OS to the list
17                   line = line.replace("\n", "")
18                   OS.append(line)
19           except Exception as e:
20               # display a generic error message
21               print(type(e), e)
22               sys.exit()
23           finally:
24               file.close()
25   except FileNotFoundError as e:
26       # Display a file not found error
27       print("FileNotFoundError:", e)
28       sys.exit()
```

Screen Capture #9

```python
1   #! /usr/bin/env python3
2
3   import sys
4   import os
5
6   # Prompt for the filename
7   filename = input("Enter the OS filename: ")
8
9   OS = []
10
11  try:
12      # Try to open the file
13      with open(filename) as file:
14          try:
15              if os.stat(filename).st_size == 0:
16                  raise ValueError("The file is empty")
17              for line in file:_
18                  # Add the OS to the list
19                  line = line.replace("\n", "")
20                  OS.append(line)
21          except Exception as e:
22              # display a generic error message
23              print(type(e), e)
24              sys.exit()
25          finally:
26              file.close()
27  except FileNotFoundError as e:
28      # Display a file not found error
```

Screen Capture #10

```
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 7$ /u
Enter the OS filename: os.txt
<class 'ValueError'> The file is empty
zmeyer@syn0095:~/Documents/projects/CIMP8A/Week 7$ █
```