Task 1

```
file = open('example.txt', 'r')
file.close()
```

Task 2

```
with open('example.txt', 'r') as file:
  content = file.read()
  print(content)
```

Task 3

```
with open('output.txt', 'w') as file:
  file.write('Hello, World!\n')
```

Task 4

```
class CustomError(Exception):
  pass

try:
    raise CustomError("This is a custom error!")
except CustomError as e:
    print(e)
```

Task 5

```
with open('shoping_list.txt', 'w') as file:
  for item in items:
        file.write(f"{item}\n")
print("Shopping list created and written to shopping_list.txt.")
```

Task 5

```
try:
    with open('shopping list.txt', 'r') as file:
        content = file.read()
        words = content.split()
        word_count = len(words)
        print(f'Total number of words: {word_count}')
except FileNotFoundError:
    print("Error: The file 'shopping list.txt' was not found.")
```

Task 6

```
try:
    with open('notes.txt', 'w') as file:
        file.write("Python is great for data analysis.\n")
        file.write("Exception handling makes code robust.\n")
        file.write("File handling is crucial for data storage.\n")
```

```
    print("Content written to notes.txt successfully.")
except Exception as e:
    print(f"Error occurred: {e}")
```

Task 7

```
try:
    with open('notes.txt', 'r') as file:
        for line in file:
            print(line.strip())  # strip() to remove extra newlines
except FileNotFoundError:
    print("Error: The file 'notes.txt' was not found.")
```

Task 9

```
try:
    with open('notes.txt', 'r') as source_file:
        content = source_file.read()
    with open('notes_backup.txt', 'w') as dest_file:
        dest_file.write(content)
    print("Content copied to 'notes_backup.txt' successfully.")
except FileNotFoundError:
    print("Error: The file 'notes.txt' was not found.")
except IOError as e:
    print(f"IOError: {e}")
```

Task 10

```
try:
    with open('shopping list.txt', 'r') as source_file:
        content = source_file.read()
    with open('list_backup.txt', 'w') as dest_file:
        dest_file.write(content)
    print("Content copied to 'list_backup.txt' successfully.")
except FileNotFoundError:
    print("Error: The file 'shopping list.txt' was not found.")
except IOError as e:
    print(f"IOError: {e}")
```