

# Rajalakshmi Engineering College

Name: Tanisha Sudhagar  
Email: 240701553@rajalakshmi.edu.in  
Roll no: 2116240701553  
Phone: 6374776137  
Branch: REC  
Department: I CSE FF  
Batch: 2028  
Degree: B.E - CSE

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## NeoColab\_REC\_CS23221\_Python Programming

### REC\_Python\_Week 6\_MCQ

Attempt : 1  
Total Mark : 20  
Marks Obtained : 1

#### Section 1 : MCQ

1. How do you create a user-defined exception in Python?

**Answer**

By creating a new class that inherits from the Exception class

**Status :** Correct

**Marks :** 1/1

2. What is the output of the following code?

```
try:
    x = 1 / 0
except ZeroDivisionError:
    print("Caught division by zero error")
finally:
```

```
print("Executed")
```

**Answer**

**Status :** Skipped

**Marks :** 0/1

3. Which clause is used to clean up resources, such as closing files in Python?

**Answer**

-

**Status :** -

**Marks :** 0/1

4. Fill the code to in order to read file from the current position.

Assuming exp.txt file has following 3 lines, consider current file position is beginning of 2nd line

Meri,25

John,21

Raj,20

Ouputput:

```
['John,21\n','Raj,20\n']
```

```
f = open("exp.txt", "w+")
```

```
_____ (1)
```

```
print _____ (2)
```

**Answer**

-

**Status :** -

**Marks :** 0/1

5. What is the correct way to raise an exception in Python?

**Answer**

-

**Status :** -

**Marks :** 0/1

6. Which of the following is true about the finally block in Python?

**Answer**

-

**Status :** -

**Marks :** 0/1

7. How do you rename a file?

**Answer**

-

**Status :** -

**Marks :** 0/1

8. Match the following:

- a) f.seek(5,1) i) Move file pointer five characters behind from the current position
- b) f.seek(-5,1) ii) Move file pointer to the end of a file
- c) f.seek(0,2) iii) Move file pointer five characters ahead from the current position
- d) f.seek(0) iv) Move file pointer to the beginning of a file

**Answer**

-

**Status :** -

**Marks :** 0/1

9. What will be the output of the following Python code?

```
f = None
for i in range (5):
    with open("data.txt", "w") as f:
        if i > 2:
            break
print(f.closed)
```

**Answer**

-

**Status :** -

**Marks :** 0/1

10. Fill in the blanks in the following code of writing data in binary files.

```
import _____ (1)
rec=[]
while True:
    rn=int(input("Enter"))
    nm=input("Enter")
    temp=[rn, nm]
    rec.append(temp)
    ch=input("Enter choice (y/N)")
    if ch.upper=="N":
        break
f.open("stud.dat","_____")(2)
_____.dump(rec,f)(3)
_____.close()(4)
```

**Answer**

-

**Status :** -

**Marks :** 0/1

11. What is the difference between r+ and w+ modes?

**Answer**

-

**Status :** -

**Marks :** 0/1

12. What happens if an exception is not caught in the except clause?

**Answer**

-

**Status :** -

**Marks :** 0/1

13. What will be the output of the following Python code?

```
# Predefined lines to simulate the file content
```

```
lines = [  
    "This is 1st line",  
    "This is 2nd line",  
    "This is 3rd line",  
    "This is 4th line",  
    "This is 5th line"  
]
```

```
print("Name of the file: foo.txt")
```

```
# Print the first 5 lines from the predefined list
```

```
for index in range(5):
```

```
    line = lines[index]
```

```
    print("Line No %d - %s" % (index + 1, line.strip()))
```

**Answer**

-

**Status :** -

**Marks :** 0/1

14. What is the output of the following code?

```
try:
```

```
    x = "hello" + 5
```

```
except TypeError:
```

```
    print("Type Error occurred")
```

```
finally:
```

```
    print("This will always execute")
```

**Answer**

-

**Status :** -

**Marks :** 0/1

15. What is the default value of reference\_point in the following code?

```
file_object.seek(offset [,reference_point])
```

**Answer**

-

**Status :** -

**Marks :** 0/1

16. Which of the following is true about fp.seek(10,1)

**Answer**

-

**Status :** -

**Marks :** 0/1

17. What is the output of the following code?

```
class MyError(Exception):  
    pass
```

```
try:  
    raise MyError("Something went wrong")  
except MyError as e:  
    print(e)
```

**Answer**

-

**Status :** -

**Marks :** 0/1

18. What happens if no arguments are passed to the seek function?

**Answer**

-

**Status :** -

**Marks :** 0/1

19. Fill in the code in order to get the following output:

Output:

Name of the file: ex.txt

```
fo = open(_____(1), "wb")  
print("Name of the file: ",_____(2))
```

**Answer**

-

**Status :** -

**Marks :** 0/1

20. What is the purpose of the except clause in Python?

**Answer**

-

**Status :** -

**Marks :** 0/1

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## NeoColab\_REC\_CS23221\_Python Programming

### REC\_Python\_Week 6\_COD

Attempt : 1  
Total Mark : 50  
Marks Obtained : 50

### Section 1 : Coding

#### 1. Problem Statement

A retail store requires a program to calculate the total cost of purchasing a product based on its price and quantity. The program performs validation to ensure valid inputs and handles specific error conditions using exceptions:

Price Validation: If the price is zero or less, raise a ValueError with the message: "Invalid Price". Quantity Validation: If the quantity is zero or less, raise a ValueError with the message: "Invalid Quantity". Cost Threshold: If the total cost exceeds 1000, raise RuntimeError with the message: "Excessive Cost".

#### **Input Format**

The first line of input consists of a double value, representing the price of a product.



The second line consists of an integer, representing the quantity of the product.

### **Output Format**

If the calculation is successful, print the total cost rounded to one decimal place.

If the price is zero or less prints "Invalid Price".

If the quantity is zero or less prints "Invalid Quantity".

If the total cost exceeds 1000, prints "Excessive Cost".

Refer to the sample output for formatting specifications.

### **Sample Test Case**

Input: 20.0

5

Output: 100.0

### **Answer**

```
# You are using Python
def calculate_total_cost(price, quantity):
    if price <= 0:
        raise ValueError("Invalid Price")
    if quantity <= 0:
        raise ValueError("Invalid Quantity")

    total_cost = price * quantity
    if total_cost > 1000:
        raise RuntimeError("Excessive Cost")
    return round(total_cost, 1)

if __name__ == "__main__":
    try:
        price = float(input())
        quantity = int(input())
        total = calculate_total_cost(price, quantity)
        print(total)
    except ValueError as ve:
```

```
print(re)
except RuntimeError as re:
    print(re)
```

**Status :** Correct

**Marks :** 10/10

## 2. Problem Statement

Write a program that calculates the average of a list of integers. The program prompts the user to enter the length of the list (n) and each element of the list. It performs error handling to ensure that the length of the list is a non-negative integer and that each input element is a numeric value.

### **Input Format**

The first line of the input is an integer n, representing the length of the list as a positive integer.

The second line of the input consists of an element of the list as an integer, separated by a new line.

### **Output Format**

If the length of the list is not a positive integer or zero, the output displays "Error: The length of the list must be a non-negative integer."

If a non-numeric value is entered for the length of the list, the output displays "Error: You must enter a numeric value."

If a non-numeric value is entered for a list element, the output displays "Error: You must enter a numeric value."

If the inputs are valid, the program calculates and prints the average of the provided list of integers with two decimal places: "The average is: [average]".

Refer to the sample output for the formatting specifications.

### Sample Test Case

Input: -2

1

2

Output: Error: The length of the list must be a non-negative integer.

### Answer

# You are using Python

```
def calculate_average():
```

```
    try:
```

```
        n_str = input()
```

```
        n = int(n_str)
```

```
        if n <= 0:
```

```
            print("Error: The length of the list must be a non-negative integer.")
```

```
            return
```

```
    except ValueError:
```

```
        print("Error: You must enter a numeric value.")
```

```
        return
```

```
list_sum = 0
```

```
for i in range(n):
```

```
    try:
```

```
        element_str = input()
```

```
        element = int(element_str)
```

```
        list_sum += element
```

```
    except ValueError:
```

```
        print("Error: You must enter a numeric value.")
```

```
    return
```

```
average = list_sum / n
```

```
print(f"The average is: {average:.2f}")
```

```
if __name__ == "__main__":
```

```
    calculate_average()
```

Status : Correct

Marks : 10/10

### 3. Problem Statement

Sophie enjoys playing with words and wants to count the number of words in a sentence. She inputs a sentence, saves it to a file, and then reads it from the file to count the words.

Write a program to determine the number of words in the input sentence.

File Name: sentence\_file.txt

### ***Input Format***

The input consists of a single line of text containing words separated by spaces.

### ***Output Format***

The output displays the count of words in the sentence.

Refer to the sample output for the formatting specifications.

### ***Sample Test Case***

Input: Four Words In This Sentence

Output: 5

### ***Answer***

# You are using Python

```
def count_words_in_file(filename="sentence_file.txt"):
```

```
    try:
```

```
        with open(filename, 'r') as file:
```

```
            sentence = file.read().strip()
```

```
        if not sentence:
```

```
            print(0)
```

```
            return
```

```
        words = sentence.split()
```

```
        print(len(words))
```

```
    except FileNotFoundError:
```

```
        print(f"Error: The file '{filename}' was not found.")
```

```
    except Exception as e:
```

```
        print(f"An unexpected error occurred: {e}")
```

```
if __name__ == "__main__":
    input_sentence = input()

    file_name = "sentence_file.txt"
    try:
        with open(file_name, 'w') as file:
            file.write(input_sentence)
    except IOError:
        print(f"Error: Could not write to file '{file_name}'.")
    else:
        count_words_in_file(file_name)
```

**Status :** Correct

**Marks : 10/10**

#### 4. Problem Statement

In a voting system, a person must be at least 18 years old to be eligible to vote. If a user enters an age below 18, the system should raise a user-defined exception indicating that they are not eligible to vote.

##### ***Input Format***

The input contains a positive integer representing age.

##### ***Output Format***

If the age is less than 18, the output displays "Not eligible to vote".

Otherwise, the output displays "Eligible to vote".

Refer to the sample output for formatting specifications.

##### ***Sample Test Case***

Input: 18

Output: Eligible to vote

##### ***Answer***

```
# You are using Python
class NotEligibleError(Exception):
```



```

pass
def check_eligibility():
    try:
        age_str = input()
        age = int(age_str)
        if age < 18:
            raise NotEligibleError("Not eligible to vote")
        else:
            print("Eligible to vote")
    except ValueError:
        print("Invalid input. Please enter an integer for age.")
    except NotEligibleError as e:
        print(e)

if __name__ == "__main__":
    check_eligibility()

```

**Status :** Correct

**Marks :** 10/10

## 5. Problem Statement

Tara is a content manager who needs to perform case conversions for various pieces of text and save the results in a structured manner.

She requires a program to take a user's input string, save it in a file, and then retrieve and display the string in both upper-case and lower-case versions. Help her achieve this task efficiently.

File Name: text\_file.txt

### **Input Format**

The input consists of a single line containing a string provided by the user.

### **Output Format**

The first line displays the original string read from the file in the format: "Original String: {original\_string}".

The second line displays the upper-case version of the original string in the format: "Upper-Case String: {upper\_case\_string}".

The third line displays the lower-case version of the original string in the format:  
"Lower-Case String: {lower\_case\_string}".

Refer to the sample output for the formatting specifications.

### **Sample Test Case**

Input: #SpecialSymBoLs1234

Output: Original String: #SpecialSymBoLs1234

Upper-Case String: #SPECIALSYMBOLS1234

Lower-Case String: #specialsymbols1234

### **Answer**

# You are using Python

```
def process_text():
```

```
    file_name = "text_file.txt"
```

```
    try:
```

```
        input_string = input()
```

```
        with open(file_name, 'w') as file:
```

```
            file.write(input_string)
```

```
        with open(file_name, 'r') as file:
```

```
            original_string = file.readline().strip()
```

```
            upper_case_string = original_string.upper()
```

```
            lower_case_string = original_string.lower()
```

```
        print(f"Original String: {original_string}")
```

```
        print(f"Upper-Case String: {upper_case_string}")
```

```
        print(f"Lower-Case String: {lower_case_string}")
```

```
    except IOError:
```

```
        print(f"Error: Could not process the file '{file_name}'.")
```

```
if __name__ == "__main__":
```

```
    process_text()
```

**Status :** Correct

**Marks :** 10/10

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## NeoColab\_REC\_CS23221\_Python Programming

### REC\_Python\_Week 6\_CY

Attempt : 1  
Total Mark : 40  
Marks Obtained : 34

### Section 1 : Coding

#### 1. Problem Statement

Write a program to read the Register Number and Mobile Number of a student. Create user-defined exception and handle the following:

If the Register Number does not contain exactly 9 characters in the specified format(2 numbers followed by 3 characters followed by 4 numbers) or if the Mobile Number does not contain exactly 10 characters, throw an `IllegalArgumentException`. If the Mobile Number contains any character other than a digit, raise a `NumberFormatException`. If the Register Number contains any character other than digits and alphabets, throw a `NoSuchElementException`. If they are valid, print the message 'valid' or else print an Invalid message.

#### **Input Format**

The first line of the input consists of a string representing the Register number.



The second line of the input consists of a string representing the Mobile number.

### **Output Format**

The output should display any one of the following messages:

If both numbers are valid, print "Valid".

If an exception is raised, print "Invalid with exception message: ", followed by the specific exception message.

Refer to the sample output for the formatting specifications.

### **Sample Test Case**

Input: 19ABC1001

9949596920

Output: Valid

### **Answer**

# You are using Python

import re

```
class IllegalArgumentException(Exception):  
    pass
```

```
class NumberFormatException(Exception):  
    pass
```

```
class NoSuchElementException(Exception):  
    pass
```

```
def validate_student_details(reg_num, mob_num):  
    if len(mob_num) != 10:  
        raise IllegalArgumentException("Mobile Number should have exactly 10  
characters.")  
    if not mob_num.isdigit():  
        raise NumberFormatException("Mobile Number should only contain digits.")  
    if len(reg_num) != 9:  
        raise IllegalArgumentException("Register Number should have exactly 9  
characters.")
```

```

if not reg_num.isalnum():
    raise NoSuchElementException("Register Number should contain only digits
and alphabets.")
reg_num_pattern = r"^\d{2}[a-zA-Z]{3}\d{4}$"
if not re.match(reg_num_pattern, reg_num):
    raise IllegalArgumentException("Register Number should have the format: 2
numbers, 3 characters, and 4 numbers.")
print("Valid")

```

```

if __name__ == "__main__":
    register_number = input()
    mobile_number = input()
    try:
        validate_student_details(register_number, mobile_number)
    except (IllegalArgumentException, NumberFormatException,
NoSuchElementException) as e:
        print(f"Invalid with exception message: {e}")
    except Exception as e:
        print(f"An unexpected error occurred: {e}")

```

**Status :** Correct

**Marks :** 10/10

## 2. Problem Statement

Alex is creating an account and needs to set up a password. The program prompts Alex to enter their name, mobile number, chosen username, and desired password. Password validation criteria include:

Length between 10 and 20 characters. At least one digit. At least one special character from !@#\$%^&\* set. Display "Valid Password" if criteria are met; otherwise, raise an exception with an appropriate error message.

### **Input Format**

The first line of the input consists of the name as a string.

The second line of the input consists of the mobile number as a string.

The third line of the input consists of the username as a string.

The fourth line of the input consists of the password as a string.

### **Output Format**

If the password is valid (meets all the criteria), it will print "Valid Password"

If the password is weak (fails any one or more criteria), it will print an error message accordingly.

Refer to the sample outputs for the formatting specifications.

### **Sample Test Case**

Input: John  
9874563210  
john  
john1#nhoj

Output: Valid Password

### **Answer**

# You are using Python

```
class PasswordValidationError(Exception):  
    pass
```

```
def validate_password(password):  
    if not any(char.isdigit() for char in password):  
        raise PasswordValidationError("Should contain at least one digit")  
    special_chars = "!@#$%^&*"   
    if not any(char in special_chars for char in password):  
        raise PasswordValidationError("It should contain at least one special  
character")  
    if not (10 <= len(password) <= 20):  
        raise PasswordValidationError("Should be a minimum of 10 characters and  
a maximum of 20 characters")  
    return "Valid Password"
```

```
if __name__ == "__main__":  
    name = input()  
    mobile = input()  
    username = input()  
    password = input()
```

```
try:
    result = validate_password(password)
    print(result)
except PasswordValidationError as e:
    print(e)
```

**Status :** Partially correct

**Marks :** 6.5/10

### 3. Problem Statement

Implement a program that checks whether a set of three input values can form the sides of a valid triangle. The program defines a function `is_valid_triangle` that takes three side lengths as arguments and raises a `ValueError` if any side length is not a positive value. It then checks whether the sum of any two sides is greater than the third side to determine the validity of the triangle.

#### **Input Format**

The first line of input consists of an integer A, representing side1.

The second line of input consists of an integer B, representing side2.

The third line of input consists of an integer C, representing side3.

#### **Output Format**

The output prints either "It's a valid triangle" if the input side lengths form a valid triangle,

or "It's not a valid triangle" if they do not.

If there is a `ValueError`, it should print "ValueError: <error\_message>".

Refer to the sample output for the formatting specifications.

#### **Sample Test Case**

Input: 3

4

5

Output: It's a valid triangle

**Answer**

# You are using Python

```
def is_valid_triangle(side1, side2, side3):  
    if side1 <= 0 or side2 <= 0 or side3 <= 0:  
        raise ValueError("Side lengths must be positive")  
    return (side1 + side2 > side3) and (side1 + side3 > side2) and (side2 + side3 >  
side1)
```

```
if __name__ == "__main__":
```

```
    try:
```

```
        side1 = int(input())
```

```
        side2 = int(input())
```

```
        side3 = int(input())
```

```
        if is_valid_triangle(side1, side2, side3):
```

```
            print("It's a valid triangle")
```

```
        else:
```

```
            print("It's not a valid triangle")
```

```
    except ValueError as ve:
```

```
        print(f"ValueError: {ve}")
```

**Status :** Correct

**Marks : 10/10**

#### 4. Problem Statement

Bob, a data analyst, requires a program to automate the process of analyzing character frequency in a given text. This program should allow the user to input a string, calculate the frequency of each character within the text, save these character frequencies to a file named "char\_frequency.txt," and display the results.

##### **Input Format**

The input consists of the string.

##### **Output Format**

The first line prints "Character Frequencies:".

The following lines print the character frequency in the format: "X: Y" where X is



the character and Y is the count.

Refer to the sample output for the formatting specifications.

### **Sample Test Case**

Input: aaabbbccc

Output: Character Frequencies:

a: 3

b: 3

c: 3

### **Answer**

```
# You are using Python
from collections import Counter
```

```
def analyze_character_frequency():
    input_string = input()
    char_counts = Counter(input_string)
    seen_chars = set()

    try:
        with open("char_frequency.txt", 'w') as outfile:
            outfile.write("Character Frequencies:\n")
            for char in input_string:
                if char not in seen_chars:
                    outfile.write(f"{char}: {char_counts[char]}\n")
                    seen_chars.add(char)
    except IOError:
        print("Error: Could not write to file.")
        return

    print("Character Frequencies:")
    seen_chars_print = set()
    for char in input_string:
        if char not in seen_chars_print:
            print(f"{char}: {char_counts[char]}")
            seen_chars_print.add(char)
```

```
if __name__ == "__main__":  
    analyze_character_frequency()
```

Status : Partially correct

Marks : 7.5/10

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## NeoColab\_REC\_CS23221\_Python Programming

### REC\_Python\_Week 6\_PAH

Attempt : 1  
Total Mark : 30  
Marks Obtained : 26

### Section 1 : Coding

#### 1. Problem Statement

Reeta is playing with numbers. Reeta wants to have a file containing a list of numbers, and she needs to find the average of those numbers. Write a program to read the numbers from the file, calculate the average, and display it.

File Name: user\_input.txt

#### **Input Format**

The input file will contain a single line of space-separated numbers (as a string).

These numbers may be integers or decimals.

#### **Output Format**



If all inputs are valid numbers, the output should print: "Average of the numbers is: X.XX" (where X.XX is the computed average rounded to two decimal places)

If the input contains invalid data, print: "Invalid data in the input."

Refer to the sample output for format specifications.

### **Sample Test Case**

Input: 1 2 3 4 5

Output: Average of the numbers is: 3.00

### **Answer**

```
# You are using Python
def calculate_average_from_file(filename="user_input.txt"):
    try:
        with open(filename, 'r') as file:
            line = file.readline().strip()
            numbers_str = line.split()

            numbers = []
            for num_str in numbers_str:
                try:
                    numbers.append(float(num_str))
                except ValueError:
                    print("Invalid data in the input.")
                    return

            if numbers:
                average = sum(numbers) / len(numbers)
                print(f"Average of the numbers is: {average:.2f}")
            else:
                print("No numbers found in the file.")

    except FileNotFoundError:
        print(f"Error: The file '{filename}' was not found.")
    except Exception as e:
        print(f"An unexpected error occurred: {e}")

if __name__ == "__main__":
```

```
file_name = "user_input.txt"
try:
    user_input = input()
    with open(file_name, 'w') as file:
        file.write(user_input)
    calculate_average_from_file(file_name)
except Exception as e:
    print(f"An error occurred: {e}")
```

**Status :** Correct

**Marks :** 10/10

## 2. Problem Statement

Peter manages a student database and needs a program to add students. For each student, Alex inputs their ID and name. The program checks for duplicate IDs and ensures the database isn't full.

If a duplicate or a full database is detected, an appropriate error message is displayed. Otherwise, the student is added, and a confirmation message is shown. The database has a maximum capacity of 30 students, and each student must have a unique ID.

### **Input Format**

The first line contains an integer  $n$ , representing the number of students to be added to the school database.

The next  $n$  lines each contain two space-separated values, representing the student's ID (integer) and the student's name (string).

### **Output Format**

The output will depend on the actions performed in the code.

If a student is added to the database, the output will display: "Student with ID [ID number] added to the database."

If there is an exception due to a duplicate student ID, the output will display: "Exception caught. Error: Student ID already exists."

If there is an exception due to the database being full, the output will display:  
"Exception caught. Error: Student database is full."

Refer to the sample outputs for the formatting specifications.

### **Sample Test Case**

Input: 3  
16 Sam  
87 Sabari  
43 Dani

Output: Student with ID 16 added to the database.  
Student with ID 87 added to the database.  
Student with ID 43 added to the database.

### **Answer**

```
# You are using Python
MAX_CAPACITY = 30
```

```
class StudentDatabase:
    def __init__(self):
        self.students = {}

    def add_student(self, student_id, student_name):
        if len(self.students) >= MAX_CAPACITY:
            raise ValueError("Student database is full.")
        if student_id in self.students:
            raise ValueError("Student ID already exists.")
        self.students[student_id] = student_name
        print(f"Student with ID {student_id} added to the database.")
```

```
if __name__ == "__main__":
    db = StudentDatabase()
    try:
        n = int(input())
        for _ in range(n):
            try:
                data = input().split(maxsplit=1)
                if len(data) == 2:
```

```

        student_id = int(data[0])
        student_name = data[1]
        db.add_student(student_id, student_name)
    else:
        raise ValueError("Invalid input format")
except ValueError as ve:
    print(f"Exception caught. Error: {ve}")
    if "Student database is full" in str(ve):
        break
except Exception as e:
    print(f"Exception caught. Error: {e}")
    if "Student database is full" in str(e):
        break
except ValueError:
    print("Invalid input for the number of students.")

```

**Status :** Partially correct

**Marks :** 8.5/10

### 3. Problem Statement

John is a data analyst who often works with text files. He needs a program that can analyze the contents of a text file and count the number of times a specific character appears in the file.

John wants a simple program that allows him to specify a file and a character to count within that file.

#### **Input Format**

The first line of input consists of the file's name to be analyzed.

The second line of the input consists of the string they want to write within the file.

The third line of the input consists of a character to count within the file.

#### **Output Format**

If the character is found, the output displays "The character 'X' appears {Y} times in the file." where X is the character and Y is the count,

If the character does not appear in the file, the output displays "Character not found."

Refer to the sample output for the formatting specifications.

### **Sample Test Case**

Input: test.txt

This is a test file to check the character count.

e

Output: The character 'e' appears 5 times in the file.

### **Answer**

```
#def count_character_in_file():
def count_character_in_file():
    try:
        file_name = input()
        file_content = input()
        char_to_count = input()

        if len(char_to_count) != 1:
            print("Error: Please enter a single character to count.")
            return

        with open(file_name, 'w') as file:
            file.write(file_content)

        with open(file_name, 'r') as file:
            content_from_file = file.read()

        count = content_from_file.count(char_to_count)

        if count > 0:
            print(f"The character '{char_to_count}' appears {count} times in the file.")
        else:
            print("Character not found in the file.")
    except FileNotFoundError:
```

```
print(f"Error: The file '{file_name}' was not found.")
except IOError:
    print(f"Error: Could not read/write to file '{file_name}'.")
except Exception as e:
    print(f"An unexpected error occurred: {e}")

if __name__ == "__main__":
    count_character_in_file()
```

**Status :** Partially correct

**Marks :** 7.5/10