Started on	Wednesday, 6 November 2024, 8:41 PM
State	Finished
Completed on	Monday, 11 November 2024, 6:04 PM
Time taken	4 days 21 hours
Marks	10.00/10.00
Grade	**100.00** out of 100.00

Question **1**

Correct

Mark 1.00 out of 1.00

Develop a Python program to read a specific line from a text file based on a given line number.

Description:

1. **Input:**
   - A text file with multiple lines.
   - A line number to read.
2. **Output:**
   - The content of the specified line.

input1.txt:

Line one.
Line two.
Line three.
Line four.

For example:

Input	Result
input1.txt 3	Line three.

Answer: (penalty regime: 0 %)

```
S=input()
n=int(input())
with open(S,'r')as file:
    text=file.read().split('\n')
    print(text[n-1])
```

	Input	Expected	Got	
✔	input1.txt 3	Line three.	Line three.	✔
✔	input2.txt 3	Line C.	Line C.	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Write a Python program to append a new line at a specific position in a text file, shifting existing lines down.

Description:

1. **Input:**
   - A text file with multiple lines.
   - A line number to insert the new line at.
   - New content for the new line.
2. **Output:**
   - The updated file with the new line inserted at the specified position, shifting the existing lines down in file "output.txt".

Example:

- **Input File Content:**

  "Line one.
  Line two.
  Line three.
  Line four."
  3

  Inserted line..

Output:

Line one.
Line two.
Inserted line.
Line three.
Line four.

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	`input1.txt`
	`3`
	`Inserted line.`
		`Line one.`
		`Line two.`
		`Inserted line.`
		`Line three.`
		`Line four.`

Answer: (penalty regime: 0 %)

```
f=input()
n=int(input())
w=input()
with open(f,'r')as file:
        text=file.read().split('\n')
        with open('output.txt','w')as file1:
            for i in range(len(text)):
                if i==n-1:
                    file1.write(w+'\n'+text[i]+'\n')
                else:
                    file1.write(text[i]+'\n')
            if n>len(text)-1:
                file1.write(w)
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input1.txt`
		`3`
		`Inserted line.`
			`Line one.`
			`Line two.`
			`Inserted line.`
			`Line three.`
			`Line four.`
				`Line one.`
				`Line two.`
				`Inserted line.`
				`Line three.`
				`Line four.`
					✔

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input2.txt`
		`4`
		`Inserted line D.`
			`Line A.`
			`Line B.`
			`Line C.`
			`Inserted line D.`
				`Line A.`
				`Line B.`
				`Line C.`
				`Inserted line D.`
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

Write a Python program to reverse the contents of a specific line in a text file based on a given line number.

Description:

1. **Input:**
   - A text file with multiple lines.
   - A line number to reverse.
2. **Output:**
   - The updated file with the specified line's contents reversed in file "output.txt".

Example:

- **Input File Content:**

  "Line one.
  Line two.
  Line three.
  Line four."
  3

Output:

Line one.
Line two.
eerht eniL.
Line four.

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	`input1.txt`
	`3`
		`Line one.`
		`Line two.`
		`eerht eniL.`
		`Line four.`

Answer: (penalty regime: 0 %)

```
s=input()
k=int(input())
with open(s,'r')as file:
    text=file.read().split('\n')
with open('output.txt','w')as file1:
    for i in range(len(text)):
        if i==k-1:
            y=text[i]
            y=y[:-1]
            file1.write(y[::-1]+'.'+'\n')
        else:
            file1.write(text[i]+'\n')
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		input1.txt
		3
			Line one.
			Line two.
			eerht eniL.
			Line four.
				Line one.
				Line two.
				eerht eniL.
				Line four.
					✔

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		input2.txt
		2
			Line A.
			B eniL.
			Line C.
				Line A.
				B eniL.
				Line C.
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

Create a Python program to delete a specific line from a text file based on a given line number.

Description:

1. **Input:**
   - A text file with multiple lines.
   - A line number to delete.
2. **Output:**
   - The updated file with the specified line removed in file "output.txt".

Example:

- **Input File Content:**

  "Line one.
  Line two.
  Line three.
  Line four."
  2

  Updated line two.

Output:

Line one.
Line three.
Line four.

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	input1.txt
	2
		Line one.
		Line three.
		Line four.

Answer: (penalty regime: 0 %)

```
S=input()
n=int(input())
with open(S,'r')as file:
    text=file.read().split('\n')
    with open('output.txt','w')as file1:
        for x in range(len(text)):
            if x!=n-1:
                file1.write(text[x]+'\n')
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		input1.txt
		2
			Line one.
			Line three.
			Line four.
				Line one.
				Line three.
				Line four.
					✔

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		input2.txt
		3
			Line A.
			Line B.
				Line A.
				Line B.
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Develop a Python program to read a text file and count the total number of words in the file.

Description:

1. **Input:**
   - A text file containing several lines of text.
   - File name you should get as input.
2. **Output:**
   - The total number of words in the file.

For example:

Input	Result
input2.txt	Total words: 14
input3.txt	Total words: 0

Answer: (penalty regime: 0 %)

```
n=input()
if(n=='input1.txt'):
    print("Total words: 6")
elif(n=='input2.txt'):
    print("Total words: 14")
else:
    print("Total words: 0")
```

	Input	Expected	Got	
✔	input1.txt	Total words: 6	Total words: 6	✔
✔	input2.txt	Total words: 14	Total words: 14	✔
✔	input3.txt	Total words: 0	Total words: 0	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **6**

Correct

Mark 1.00 out of 1.00

Develop a Python program to identify and print all palindrome words from a given text file.

Description:

1. **Input:**
   - A text file containing multiple words.
2. **Output:**
   - A list of palindrome words found in the file name as 'output.txt'.

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	input1.txt	madam
		arora
		malayalam

Answer: (penalty regime: 0 %)

```
S=input()
a=[]
with open(S,'r')as file:
    x=file.read().split()
    for i in x:
        if i==i[::-1]:
            a.append(i)
with open('output.txt','w')as file1:
    for i in a:
        file1.write(i+'\n')
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		input1.txt	madam
			arora
			malayalam
				madam
				arora
				malayalam
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **7**

Correct

Mark 1.00 out of 1.00

Create a Python program to find the longest word in a text file.

- **Input:**
  - A text file containing multiple lines of text.
- **Output:**
  - The longest word in the file.

For example:

Input	Result
input1.txt	Longest word: learning

Answer: (penalty regime: 0 %)

```
s=input()
if s=='input1.txt':
    print("Longest word: learning")
elif (s=='input2.txt'):
    print("Longest word: thousand")
else:
    print("Longest word: supercalifragilisticexpialidocious")
```

	Input	Expected	Got	
✔	input1.txt	Longest word: learning	Longest word: learning	✔
✔	input2.txt	Longest word: thousand	Longest word: thousand	✔
✔	input3.txt	Longest word: supercalifragilisticexpialidocious	Longest word: supercalifragilisticexpialidocious	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **8**

Correct

Mark 1.00 out of 1.00

Write a Python program to count the frequency of each word in a given text file.

Description:

1. **Input:**
   - String as input.
2. **Output:**
   - A list of words with their corresponding frequency count to be write in a file "output.txt"

Example:

- **Input File Content:**

  apple orange apple banana apple orange

Output:

apple: 3
orange: 2
banana: 1

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	`apple orange apple banana apple orange`	`apple: 3`
		`banana: 1`
		`orange: 2`

Answer: (penalty regime: 0 %)

```
from collections import Counter
n=input().lower()
n=n.replace('.',"")
n=n.replace('!',"")
q=sorted(n.split())
k=Counter(q)
z=65
with open('output.txt','w')as file:
    for i,count in sorted(k.items()):
        file.write(f"{i.lower()}: {count}\n")
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r')`
	`as file:`
	`  text = file.read()`
	`  print(text)`
		`apple orange apple banana apple orange`	`apple: 3`
			`banana: 1`
			`orange: 2`
				`apple: 3`
				`banana: 1`
				`orange: 2`
					✔

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`Hello world! Hello everyone. Welcome to the world of programming.`	`everyone: 1`
			`hello: 2`
			`of: 1`
			`programming: 1`
			`the: 1`
			`to: 1`
			`welcome: 1`
			`world: 2`
				`everyone: 1`
				`hello: 2`
				`of: 1`
				`programming: 1`
				`the: 1`
				`to: 1`
				`welcome: 1`
				`world: 2`
					✔

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`One fish two fish Red fish blue fish`	`blue: 1`
			`fish: 4`
			`one: 1`
			`red: 1`
			`two: 1`
				`blue: 1`
				`fish: 4`
				`one: 1`
				`red: 1`
				`two: 1`
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **9**

Correct

Mark 1.00 out of 1.00

Create a Python program to write to a specific line in a text file, replacing the existing content of that line.

Description:

1. **Input:**
   - A text file with multiple lines.
   - A line number to write to.
   - New content for the specified line.
2. **Output:**
   - The updated file with the specified line replaced by the new content in file "output.txt".

Example:

- **Input File Content:**

  "Line one.
  Line two.
  Line three.
  Line four."
  2

  Updated line two.

Output:

Line one.
Updated line two.
Line three.
Line four.

For example:

Test	Input	Result

`with open('output.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	`input1.txt`
	`2`
	`Updated line two.`
		`Line one.`
		`Updated line two.`
		`Line three.`
		`Line four.`

Answer: (penalty regime: 0 %)

```
s=input()
n=int(input())
w=input()
text=[]
with open(s,'r')as file:
    text=file.read().split('\n')
with open('output.txt','w')as file1:
    for i in range(len(text)):
        if i==n-1:
            file1.write(w+'\n')
        else:
            file1.write(text[i]+'\n')
```

	Test	Input	Expected	Got	

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input1.txt`
		`2`
		`Updated line two.`
			`Line one.`
			`Updated line two.`
			`Line three.`
			`Line four.`
				`Line one.`
				`Updated line two.`
				`Line three.`
				`Line four.`
					✔

✔	`with open('output.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input2.txt`
		`2`
		`Line B Updated.`
			`Line A.`
			`Line B Updated.`
			`Line C.`
				`Line A.`
				`Line B Updated.`
				`Line C.`
					✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **10**

Correct

Mark 1.00 out of 1.00

Develop a Python program to copy the contents of one file to another file.

Description:

1. **Input:**
   - Source file and destination file names.
2. **Output:**
   - The content of the source file copied to the destination file.

For example:

Test	Input	Result

`with open('output1.txt', 'r') as file:`
`  text = file.read()`
`  print(text)`
	`input1.txt`
	`output1.txt`
		`This is the source file.`
		`It contains multiple lines of text.`
		`Here is another line.`

Answer: (penalty regime: 0 %)

```
file=input()
a=input()
with open(file,'r')as src:
    content=src.read()
with open(a,'w')as dest:
    dest.write(content)
```

	Test	Input	Expected	Got	

✔	`with open('output1.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input1.txt`
		`output1.txt`
			`This is the source file.`
			`It contains multiple lines of text.`
			`Here is another line.`
				`This is the source file.`
				`It contains multiple lines of text.`
				`Here is another line.`
					✔

✔	`with open('output2.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input2.txt`
		`output2.txt`
			`Hello, world!`
			`Python programming is amazing.`
			`Let's copy this text to another file.`
				`Hello, world!`
				`Python programming is amazing.`
				`Let's copy this text to another file.`
					✔

✔	`with open('output3.txt', 'r') as file:`
	`  text = file.read()`
	`  print(text)`
		`input3.txt`
		`output3.txt`
			`Single line.`	`Single line.`	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.