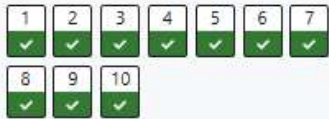


CS23336-Introduction to Python Programming

Quiz navigation



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Started on	Monday, 11 November 2024, 9:11 AM
State	Finished
Completed on	Monday, 11 November 2024, 1:25 PM
Time taken	4 hours 13 mins
Marks	10.00/10.00
Grade	100.00 out of 100.00

Full-screen Strip

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

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.



30°C Haze



ENG

13:30

11-11-2024



Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.

Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.

Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.

Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.



Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.

Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.

Answer: (penalty regime: 0 %)

```
1 input_file=input()
2 line_number=int(input())
3 def fun(input_file,line_number):
4     with open(input_file,'r') as file:
5         lines=file.readlines()
6         if 1<=line_number<=len(lines):
7             print(lines[line_number-1].strip())
8 fun(input_file,line_number)
9
```

Full-screen Snip

	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.


```
1 i=input()
2 o=input()
3 with open(i,'r') as f:
4     with open(o,'a') as f1:
5         f1.write(f.read())
```

	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! ✓

Answer: (pending registration)

```
1 i=input()
2 o=input()
3 with open(i,'r') as f:
4     with open(o,'a') as f1:
5         f1.write(f.read())
```

Full screen view

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! ✓

	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

Flag question

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:	apple orange apple banana apple orange	apple: 3

```
text = file.read()
print(text)
```

banana: 1
orange: 2

Answer: (penalty regime: 0 %)

```
1 n=input()
2 l=''.join([c for c in n if c.isalnum() or c.isspace()])
3 l=l.split()
4 l=sorted(l,key=str.lower)
5 d={}
6 for i in l:
7     d[i.lower()]=str(l.count(i))
8 s=''
9 for i in d:
10     s+=(i+' : '+d[i]+' \n')
11 f=open('output.txt','w')
12 f.write(s)
13 f.close()
14
15
```

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	✓
✓ 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	everyone: 1 hello: 2 of: 1 programming: 1	✓

```
text = file.read()
print(text)
```

```
banana: 1
orange: 2
```

Answer: (penalty regime: 0 %)

```
1 n=input()
2 l=''.join([c for c in n if c.isalnum() or c.isspace()])
3 l=l.split()
4 l=sorted(l,key=str.lower)
5 d={}
6 for i in l:
7     d[i.lower()]=str(l.count(i))
8 s=''
9 for i in d:
10    s+=(i+' : '+d[i]+' \n')
11 f=open('output.txt','w')
12 f.write(s)
13 f.close()
14
15
```

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	✓
✓ 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	everyone: 1 hello: 2 of: 1 programming: 1	✓




```
text = file.read()
print(text)
```

banana: 1
orange: 2

Answer: (penalty regime: 0 %)

```
1 n=input()
2 l=''.join([c for c in n if c.isalnum() or c.isspace()])
3 l=l.split()
4 l=sorted(l,key=str.lower)
5 d={}
6 for i in l:
7     d[i.lower()]=str(l.count(i))
8 s=''
9 for i in d:
10     s+=(i+' : '+d[i]+' \n')
11 f=open('output.txt','w')
12 f.write(s)
13 f.close()
14
15
```

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	✓
✓ 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	everyone: 1 hello: 2 of: 1 programming: 1	✓

```
text = file.read()
print(text)
```

banana: 1
orange: 2

Answer: (penalty regime: 0 %)

```
1 n=input()
2 l=''.join([c for c in n if c.isalnum() or c.isspace()])
3 l=l.split()
4 l=sorted(l,key=str.lower)
5 d={}
6 for i in l:
7     d[i.lower()]=str(l.count(i))
8 s=''
9 for i in d:
10     s+=(i+': ' +d[i]+'\\n')
11 f=open('output.txt','w')
12 f.write(s)
13 f.close()
14
15
```

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	✓
✓ 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	everyone: 1 hello: 2 of: 1 programming: 1	✓


```
text = file.read()
print(text)
```

```
banana: 1
orange: 2
```

Answer: (penalty regime: 0 %)

```
1 n=input()
2 l=''.join([c for c in n if c.isalnum() or c.isspace()])
3 l=l.split()
4 l=sorted(l,key=str.lower)
5 d={}
6 for i in l:
7     d[i.lower()]=str(l.count(i))
8 s=''
9 for i in d:
10     s+=(i+' : '+d[i]+' \n')
11 f=open('output.txt','w')
12 f.write(s)
13 f.close()
14
15
```

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	✓
✓ 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	everyone: 1 hello: 2 of: 1 programming: 1	✓



	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

Full-screen Snip

Marks for this submission: 1.00/1.00.

Question 9

Correct

Mark 1.00 out
of 1.00

🚩 Flag question

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: 15



Answer: (penalty regime: 0 %)

```
1 import re
2 i=input()
3 with open(i,'r') as f:
4     l=f.readlines()
5 l1=[]
6 for i in l:
7     x=i.split()
8     l1.extend(x)
9 print('Total words:',len(l1))
10
```

Full code view

	Input	Expected	Got	
✓	input1.txt	Total words: 6	Total words: 6	✓
✓	input2.txt	Total words: 14	Total words: 14	✓
✓	input3.txt	Total words: 15	Total words: 15	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 10
Correct
Mark 1.00 out of 1.00
[Flag question](#)

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.

Answer: (penalty regime: 0 %)

```
1 i=input()
2 n=int(input())
3 s=input()
4 s+='\n'
5 with open(i,'r') as f:
6     l=f.readlines()
7 if n-1==len(l):
8     l[-1]+='\n'
9 l.insert(n-1,s)
10
11 with open('output.txt','w') as f:
12     f.writelines(l)
```

Full-screen Snip

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.	✓

