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Started on	Tuesday, 14 April 2020, 2:10 PM
State	Finished
Completed on	Tuesday, 14 April 2020, 3:40 PM
Time taken	1 hour 30 mins
Marks	33.00/50.00
Grade	27.06 out of 41.00 (66%)



<

Incorrect

Mark 6.00 out of 10.00

- SECTIONS
- 1
- 2

characters . A "valid" string is a string str such that for all distinct characters in str each such character occurs the same number of times in it.

Examples:

input: string str = "aabbcc"

output = valid string

input: string str = "abbca"

output : make it valid

we can make it valid by removing 1 character

input: string str = "aabbcd"

output: not valid

we need to remove at least two characters to make it valid

For example:

Test	Input	Result
1	aabbcc	valid string
2	abbac	make it valid

Answer: (penalty regime: 10, 20, ... %)

Language

python3 ▾

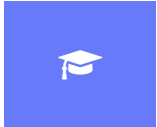
```
1 def valid(s):
2     d = dict.fromkeys(s,0)
3     for i in s:
4         d[i] = d.get(i,0) + 1
5     valid = True
6     c1 = 0
7     for i in d.keys():
8         if d[i]==2:
9             continue
10        elif d[i]==1 and c1<1:
11            c1+=1
12        else:
13            return 'not valid'
14
15 if __name__=="__main__":
16     s = input()
17     print(valid(s))
```

	Test	Input	Expected	Got	
✖	1	aabbcc	valid string	***Error*** File "./__tester__.py", line 12 else ^ SyntaxError: invalid syntax	✖

Testing was aborted due to error.

Show differences

Question author's solution:



- <
- SECTIONS
- 1
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```
z=set(1)
z1=list(z)
c=[]
for i in z1:
    c.append(1.count(i))
m=set(c)
n=list(m)
z=[max(c)-i for i in c]
if len(m)==1:
    print('valid string')
elif sum(z)==1 or (sum(z)==2 and c.count(min(c))==1):
    print('make it valid')
else:
    print('not valid' )
#authors Ashok and Rajesh
```

Incorrect

Marks for this submission: 0.00/10.00. Accounting for previous tries, this gives 6.00/10.00.

Question **2**

Correct

Mark 1.00 out of 1.00

The format identifier '%i' is also used for ____ data type?

Select one:

☒ a. int

✓

☐ b. double

☐ c. char

☐ d. float

Your answer is correct.

The correct answer is: int

Question **3**

Correct

Mark 1.00 out of 1.00

Which of the datatypes have size that is variable?

Select one:

☐ a. int

☒ b. struct

✓

☐ c. float

☐ d. double

Your answer is correct.

The correct answer is: struct

SECTIONS

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Correct
Mark 1.00 out of 1.00

```
#include <stdio.h>

int a;

void main()

{

if (a)

printf("Hello");

else

printf("world");

}
```

- Select one:
- ☐ a. None
 - ☐ b. Hello
 - ☒ c. World
 - ☐ d. Error

Your answer is correct.
The correct answer is: World

Question **5**
Correct
Mark 1.00 out of 1.00

```
#include <stdio.h>

void main()

{

int a = 5;

if (true);

printf("hello");

}
```

- Select one:
- ☐ a. Compiler Dependent
 - ☒ b. Error
 - ☐ c. Hello
 - ☐ d. NO Ouput

Your answer is correct.
The correct answer is: Error

SECTIONS

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Correct

Mark 1.00 out of 1.00

```
#include <stdio.h>

void main()

{

    int a = 0;

    if (a == 0)

        printf("hi");

    else

        printf("how are u");

        printf("hello");

}
```

- Select one:
- ☐ a. hihow r u
 - ☐ b. how r uhello
 - ☐ c. how r u
 - ☒ d. hihello

Your answer is correct.

The correct answer is: hihello

Question **7**

Correct

Mark 1.00 out of 1.00

Which for loop has range of similar indexes of 'i' used in for (i = 0;i < n; i++)?

- Select one:
- ☒ a. for(i=n-1;i>-1;i--)
 - ☐ b. for(i=n-1;i>0;i--)
 - ☐ c. for(i=n;i>0;i--)
 - ☐ d. for(i=n;i>=0;i--)

Your answer is correct.

The correct answer is: for(i=n-1;i>-1;i--)

SECTIONS

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Correct
Mark 1.00 out of 1.00

```
#include <stdio.h>

void main()

{

double x = 0;

for (x = 0.0; x < 3.0; x++)

printf(“Hello”);

}
```

- Select one:
- ☐ a. Hello is printed for 2 times
 - ☐ b. Hello is printed for infinite times
 - ☐ c. Run Time Error
 - ☒ d. Hello is printed for 3 times

Your answer is correct.
The correct answer is: Hello is printed for 3 times



SECTIONS

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Correct
Mark 1.00 out of 1.00

```
#include <stdio.h>

int main()

{

do

printf("Inside while loop ");

while (0);

printf("Outside loop\n");

}
```

Select one:

- ☐ a. Inside While loop
- ☒ b. Inside While loop Outside while loop ✓
- ☐ c. Infinite Loop
- ☐ d. Outside while loop

Your answer is correct.
The correct answer is: Inside While loop Outside while loop

Question 10

Correct
Mark 1.00 out of 1.00

The keyword 'break' cannot be simply used within:

Select one:

- ☐ a. while
- ☒ b. if else ✓
- ☐ c. do-While
- ☐ d. for loop

Your answer is correct.
The correct answer is: if else



SECTIONS

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Correct
Mark 1.00 out of 1.00

```
#include <stdio.h>

void main()

{

    int i = 0;

    if (i == 0)

    {

        printf("Hello");

        break;

    }

}
```

- Select one:
- ☒ a. error ✓
 - ☐ b. Hello printed 3 times
 - ☐ c. no output
 - ☐ d. hello

Your answer is correct.
The correct answer is: error

Question **12**
Correct
Mark 1.00 out of 1.00

750 candidates appeared in an examination, 65% of the boys while 70% of the girls passed the examination. If the total pass percentage is 67%. Find the number of boys that appeared in the examination.

- Select one:
- ☒ a. 450 ✓
 - ☐ b. 150
 - ☐ c. 250
 - ☐ d. 300

The correct answer is: 450

SECTIONS

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Incorrect

Mark 0.00 out of 1.00

Select one:

- ☒ a. 90
- ☐ b. 45
- ☐ c. 80
- ☐ d. 35

The correct answer is: 80

Question 14

Incorrect

Mark 0.00 out of 1.00

A man invests Rs.40,000/- in two parts on the one part he gains 10% while on the other part he gains 6%, if on the whole he gains 7.5%, the amounts invested in two parts are in the ratio of.

Select one:

- ☐ a. 3:5
- ☒ b. 2:3
- ☐ c. 3:7
- ☐ d. 5:6

The correct answer is: 3:5

Question 15

Correct

Mark 1.00 out of 1.00

A man lends Rs.1200/- for 2 years. A part he lends at 4% p.a. and the rest at 6% p.a. and receives Rs.128 as simple interest. How much money he lent at 4% p.a.

Select one:

- ☐ a. 900
- ☐ b. 300
- ☒ c. 400
- ☐ d. 800

The correct answer is: 400



SECTIONS

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Incorrect
Mark 0.00 out of 1.00

Select one:

☐ a. 8000

☒ b. 6000

☐ c. 9000

☐ d. 7000

The correct answer is: 9000

Question **17**
Correct
Mark 1.00 out of 1.00

A sum of Rs.39 was divided among 45 boys and girls. Each boy gets Rs.1 whereas each girl gets 50ps. How many girls are there.

Select one:

☐ a. 25

☒ b. 12

☐ c. 15

☐ d. 33

The correct answer is: 12

Question **18**
Incorrect
Mark 0.00 out of 1.00

A trader has 50kg's of rice, a part of which he sells at 10% profit and the rest at 5% loss, he gains 7% on the whole. What is the quantity sold at 10% gain.

Select one:

☐ a. 25 Kg's

☐ b. 40 Kg's

☒ c. 30 Kg's

☐ d. 35 Kg's

The correct answer is: 40 Kg's

Question **19**
Correct
Mark 1.00 out of 1.00

How many kg's of wheat costing Rs.24 per kg be mixed with 30kg's of wheat costing Rs.36 per kg to produce a mixture costing Rs.28.5 per kg.

Select one:

☐ a. 30 Kgs

☐ b. 45 Kgs

☒ c. 50 Kgs

☐ d. 25 Kgs

The correct answer is: 50 Kgs

SECTIONS

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Incorrect

Mark 0.00 out of 1.00

Select one:

- ☐ a. 30
- ☐ b. 24
- ☒ c. 20
- ☐ d. 15

The correct answer is: 24

Question **21**

Incorrect

Mark 0.00 out of 1.00

The average age of a class of 30 students is 21years. Some new students with an average age of 20years join the class there by decreasing the average age by 2 months. Find the new strength joined.

Select one:

- ☐ a. 5
- ☐ b. 8
- ☒ c. 7
- ☐ d. 6

The correct answer is: 6

Question **22**

Incorrect

Mark 0.00 out of 1.00

The average age of a class of 45 students is 14 years. Some new students with an average age of 13 years and 6 months Join the class, there by decreasing the average age by one month. Find the total strength at present.

Select one:

- ☐ a. 64
- ☒ b. 60
- ☐ c. 54
- ☐ d. 45

The correct answer is: 54



SECTIONS

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Correct
Mark 1.00 out of 1.00

of the labourers Rs.950. Find the number of labourers.

Select one:

☐ a. 36

☒ b. 24

☐ c. 12

☐ d. 27

The correct answer is: 24

Question **24**
Incorrect
Mark 0.00 out of 1.00

The ratio at which oil at Rs.4 a litre should be mixed with another kind of oil at Rs.6 a litre to get a mixture of Rs.5.4 a litre.

Select one:

☐ a. 5:6

☒ b. 4:5

☐ c. 3:2

☐ d. 3:7

The correct answer is: 3:7

Question **25**
Correct
Mark 1.00 out of 1.00

There are some hens and cows. If heads are counted these are 300, their legs are counted 880. Find the number of hens.

Select one:

☐ a. 180

☐ b. 120

☐ c. 140

☒ d. 160

The correct answer is: 160

SECTIONS

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Incorrect
Mark 0.00 out of 1.00

Select one:

☐ a. 70

☒ b. 110

☐ c. 90

☐ d. 80

The correct answer is: 90

Question **27**

Correct
Mark 1.00 out of 1.00

_____ cow is _____ useful animal.

Select one:

☒ a. the,a

☐ b. an,a

☐ c. no article

☐ d. the,the

The correct answer is: the,a

Question **28**

Correct
Mark 1.00 out of 1.00

_____ few words spoken in earnest will convince him.

Select one:

☒ a. a

☐ b. no article

☐ c. the

☐ d. an

The correct answer is: a

Question **29**

Incorrect
Mark 0.00 out of 1.00

_____ little information which we had was not quite reliable.

Select one:

☐ a. no article

☐ b. the

☒ c. a

☐ d. an

The correct answer is: the

SECTIONS

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Correct
Mark 1.00 out of 1.00

- Select one:
- ☐ a. a
 - ☒ b. an ✓
 - ☐ c. no article
 - ☐ d. the

The correct answer is: an

Question **31**

Correct
Mark 1.00 out of 1.00

He is _____ one eyed man.

- Select one:
- ☐ a. an
 - ☐ b. the
 - ☒ c. a ✓
 - ☐ d. no article

The correct answer is: a

Question **32**

Correct
Mark 1.00 out of 1.00

He pursued _____ MBA from _____ reputed university in _____ USA.

- Select one:
- ☒ a. an,a,the ✓
 - ☐ b. a,an,the
 - ☐ c. no article,a,an
 - ☐ d. the,a,no article

The correct answer is: an,a,the

Question **33**

Correct
Mark 1.00 out of 1.00

He spent _____ hour to discuss _____ issue.

- Select one:
- ☐ a. the,no article
 - ☐ b. the,an
 - ☐ c. a,an
 - ☒ d. an,the ✓

The correct answer is: an,the

SECTIONS

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Correct
Mark 1.00 out of 1.00

- Select one:
- ☐ a. a
 - ☐ b. an
 - ☐ c. no article
 - ☒ d. the ✓

The correct answer is: the

Question 35
Correct
Mark 1.00 out of 1.00

- I found _____ one-hundred-rupee note on the road.
- Select one:
- ☐ a. no article
 - ☐ b. an
 - ☒ c. a ✓
 - ☐ d. the

The correct answer is: a

Question 36
Incorrect
Mark 0.00 out of 1.00

- Let us go to _____ park to spend _____ evening.
- Select one:
- ☐ a. the,no article
 - ☒ b. a,the ✗
 - ☐ c. no article,the
 - ☐ d. an,a

The correct answer is: no article,the

Question 37
Incorrect
Mark 0.00 out of 1.00

- People go to ____ park for amusement.
- Select one:
- ☐ a. an
 - ☐ b. a
 - ☒ c. the ✗
 - ☐ d. no article

The correct answer is: no article

SECTIONS

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Correct
Mark 1.00 out of 1.00

- Select one:
- ☐ a. a
 - ☐ b. the
 - ☒ c. an
 - ☐ d. no article

The correct answer is: an

Question **39**

Incorrect
Mark 0.00 out of 1.00

There is _____ little hope of his recovery. He is not likely to recover.

- Select one:
- ☐ a. the
 - ☐ b. an
 - ☐ c. no article
 - ☒ d. a

The correct answer is: no article

Question **40**

Correct
Mark 1.00 out of 1.00

You are _____ Newton of my class.

- Select one:
- ☒ a. the
 - ☐ b. a
 - ☐ c. no article
 - ☐ d. an

The correct answer is: the

Question **41**

Correct
Mark 1.00 out of 1.00

You are _____ Shakespere.

- Select one:
- ☐ a. no article
 - ☒ b. a
 - ☐ c. an
 - ☐ d. the

The correct answer is: a



2

