GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Correct

Mark 1.00 out of 1.00

Flag question

Write a program to find the count of non-repeated digits in a given number N. The number will be passed to the program as an input of type int.

Assumption: The input number will be a positive integer number >= 1 and <= 25000.

Some examples are as below.

If the given number is 292, the program should return 1 because there is only 1 non-repeated digit '9' in this number

If the given number is 1015, the program should return 2 because there are 2 non-repeated digits in this number, '0', and '5'.

If the given number is 108, the program should return 3 because there are 3 non-repeated digits in this number, '1', '0', and '8'.

If the given number is 22, the function should return 0 because there are NO non-repeated digits in this number.

For example:

Input	Result
292	1
1015	2
108	3
22	0

Answer: (penalty regime: 0 %)

```
x= int(input())
if(x>=1 and x<=25000):
    y=str(x)
    dict={}
    for i in y:
        if i in dict:
            dict[i] +=1
        else:
            dict[i] =1
    non_rep = 0
    for count in dict.values():
        if count==1:
            non_rep+=1
    print(non_rep)
```

	Input	Expected	Got	
✓	292	1	1	✓

88°F Mostly cloudy

Search

ENG IN 17:27 19-06-2024

- second Fibonacci number is 1,
- third Fibonacci number is 1,
- fourth Fibonacci number is 2,
- fifth Fibonacci number is 3,
- sixth Fibonacci number is 5,
- seventh Fibonacci number is 8, and so on.

For example:

Input	Result
1	0
4	2
7	8

Answer: (penalty regime: 0 %)

```
n=int(input())
if n==1:
    print("0")
elif n==2:
    print("1")
else:
    a,b=0,1
    for i in range (2,n):
      a,b = b,a+b
    print(b)
```

	Input	Expected	Got	
✓	1	0	0	✓
✓	4	2	2	✓
✓	7	8	8	✓

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Mark 1.00 out of 1.00

Flag question

Test Case 1

Input

4

Output

1234

Test Case 2

Input

6

Output

123456

Answer: (penalty regime: 0 %)

```
x=int(input())
y=0
z=1
for i in range(1,x+1):
    y=y+z
    z=(z*10)+1
print(y)
```

	Input	Expected	Got	
✓	4	1234	1234	✓
✓	6	123456	123456	✓

Passed all tests! ✓

Correct

88°F Mostly cloudy

Search

ENG IN

17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Given a positive integer N, check whether it can be represented as a product of single digit numbers.

Input Format:

Single integer input.

Output Format:

Output displays Yes if condition satisfies else prints No.

Example Input:

14

Output:

Yes

Example Input:

13

Output:

No

Answer: (penalty regime: 0 %)

```
x= int(input())
for i in range(2,10):
  if x%i==0 and x//i<10:
      print('Yes')
      break
else:
    print('No')
```

	Input	Expected	Got	
✓	14	Yes	Yes	✓

88°F Mostly cloudy

Search

ENG IN 17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Question 5
Correct
Mark 1.00 out of 1.00
Flag question

Write a program to find the count of unique digits in a given number N. The number will be passed to the program as an input of type int.

Assumption: The input number will be a positive integer number >= 1 and <= 25000.

For e.g.

If the given number is 292, the program should return 2 because there are only 2 unique digits '2' and '9' in this number

If the given number is 1015, the program should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.

For example:

Input	Result
292	2
1015	3

Answer: (penalty regime: 0 %)

```
x= int(input())
y= set()
z= str(x)
for i in z:
    y.add(i)
print(len(y))
```

	Input	Expected	Got	
✓	292	2	2	✓
✓	1015	3	3	✓
✓	123	3	3	✓

88°F Mostly cloudy

Search

ENG IN 17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

In mathematics, the factorial of a non-negative integer n, denoted by n!, is the product of all positive integers less than or equal to n. For example:

5! = 5 x 4 x 3 x 2 x 1 = 120

4! = 4 x 3 x 2 x 1 = 24.

9! = 9 x 8 x 7 x 6 x 5 x 4 x 3 x 2 x 1 = 362880

Write a program to find the factorial of a given number.

The given number will be passed to the program as an input of type int.

The program is expected to calculate the factorial of the given number and return it as an int type.

Assumptions for this program:

The given input number will always be greater than or equal to 1.

Due to the range supported by int, the input numbers will range from 1 to 12.

For example:

Input	Result
5	120
4	24
9	362880

Answer: (penalty regime: 0 %)

```
a=int(input())
b=1
while a>1:
    b=b*a
    a=a-1
print(b)
```

88°F Mostly cloudy

Search

ENG IN

17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Marks for this submission: 1.00/1.00.

Question 7
Correct
Mark 1.00 out of 1.00
Flag question

Write a program that finds whether the given number N is Prime or not.
If the number is prime, the program should return 2 else it must return 1.
Assumption: 2 <= N <=5000, where N is the given number.
Example1: if the given number N is 7, the method must return 2
Example2: if the given number N is 10, the method must return 1

For example:

Input	Result
7	2
10	1

Answer: (penalty regime: 0 %)

```
k= int(input())
for i in range(2,(k//2)+1):
    if(k%i==0):
        print("1")
        break;
else:
        print("2")
```

	Input	Expected	Got	
✓	7	2	2	✓
✓	10	1	1	✓

88°F Mostly cloudy

Search

ENG IN 17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

1.00

Flag question

Single integer input.

Output Format:

Yes or No.

Example input:

24

Output:

Yes

Example input:

26

Output:

No

For example:

Input	Result
24	Yes

Answer: (penalty regime: 0 %)

```
import math
x= int(input())
y=x-1
z= math.sqrt(y)
if z in (1,2,3,4,5,6,7,8,9,10):
    print("Yes")
else:
    print("No")
```

	Input	Expected	Got	
✓	24	Yes	Yes	✓

88°F Mostly cloudy

Search

ENG IN 17:27 19-06-2024

GitHub Dashboard | Week4_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=9241&cmid=97

REC-PS

SAMYUKTHAA A 2022-BIOMED-B S2

Explanation

1^1 + 7^2 +5^3 = 175

Example input:

123

Output:

No

For example:

Input	Result
175	Yes
123	No

Answer: (penalty regime: 0 %)

```
a= input()
b= len(a)
a= int(a)
c=int(a)
result=0
i= int(b)
while a!=0:
    b=a%10
    result = result+pow(b,i)
    a=int(a/10)
    i=i-1
if result==c:
   print("Yes")
else:
    print("No")
```

	Input	Expected	Got	
✓	175	Yes	Yes	✓
✓	123	No	No	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00

88°F Mostly cloudy

Search

ENG IN 17:28 19-06-2024

odle/mod/quiz/review.php?attempt=9241&cmid=97

SAMYUKTHAA A 2022 BIOMED E

Given a number N, find the next perfect square greater than N.

Input Format:

Integer input from stdin.

Output Format:

Perfect square greater than N.

Example Input:

10

Output:

16

Answer: (penalty regime: 0 %)

```
from math import sqrt
x= int(input())
y=x-1
while int(sqrt(y))!= sqrt(y):
    y=y-1
print(y)
```

	Input	Expected	Got	
✓	10	16	16	✓

ssed all tests! ✓