Side panel

-
- 0

Notifications

You have no notifications
See all

- Zehua Zhu
  Dashboard

  Profile Grades Messages Preferences

  Log out

- CITS1401 2022S2
- Participants
- Grades
- General
- Labs

- Home
- Dashboard
- Calendar
- Private files
- My courses
- CITS1401 2022S2

CITS1401 Computational Thinking with Python (2022S2)

Question 12

Not complete
Marked out of 3.00
⚑ Flag question

Question text

Write a program that can add first n positive odd numbers starting from 1 and the number n is entered by the user. The program should only work for positive input data and give zero output for negative data

For example:

Input	Result
3	9

Answer:(penalty regime: 0, 0, 10, 20, ... %)

Reset answer

```
1   n = int(input())
2   # write your program below
3
4   def judege(i):
5       if i<=0:
6           return 0
7       else:
8           return cal(i)
9
10  def cal(i):
11      s = 0
12      for j in range (1,i+1):
13          s = s + j*2-1
14      return s
15
16  output = judege(n)
17  print(output)
```

```
1   n = int(input())
2   # write your program below
```

Check

Question 13

Not complete
Marked out of 5.00
⚑ Flag question

Question text

The Fibonacci Sequence is the series of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

The next number is found by adding up the two numbers before it.

Write a program to generate Fibonacci Sequence and print the nth number where n is taken as input from the use. For instance, if user inputs 9 (n=9) then 21 should be printed.

For example:

Input Result

9   21

Answer:(penalty regime: 0, 0, 10, 20, ... %)

Reset answer

```
1    n = int(input())
2    #Don't change the above line of code. Write your program below this line. Remember to print the fir
3
4    x = 0
5    y = 1
6
7    def cal():
8        global x
9        global y
10       tmp = x + y
11       x = y
12       y = tmp
13   |
14   def exec():
15       global n
16       if n <= 1:
17           return 0
18       elif n == 2:
19           return 1
20       else:
21           for num in range(1,n-1):
22               cal()
23           return y
24
25   print(exec())
```

```
1    n = int(input())
2    #Don't change the above line of code. Write your program below this li
```

Question 14

Not complete
Marked out of 4.00
⚑ Flag question

Question text

You already wrote Fibonacci program which you just created in earlier question. Now update it such that it calculates the summation of Fibonacci number with each number too. Below is the sample for Fibonacci sequence and its summation

Fibonacci	Summation
0	0
1	1
1	2
2	4
3	7
5	12
8	20

and so on.

The program should ask the user to provide an input n and displays the summation value up to that nth number in the series. For instance, if input is provided as 7 (n=7) then the displayed value is 20.

Answer:(penalty regime: 0, 10, 20, ... %)

Reset answer

```
1   n = int(input())
2   #Don't change the above line of code. Write your program below this line. Remember to print the fir
3
4   x = 0
5   y = 1
6   summa = 0
7
8   def cal():
9       global x
10      global y
11      tmp = x + y
12      x = y
13      y = tmp
14
15  def exec(num):
16      global x
17      global y
18      if num == 1:
19          return 0
20      elif num == 2:
21          return 1
22      else:
23          m = 0
24          #while m+2<num:
25          for num in range(2,num):
```

```
25                         #.. ..... .. .......(2,....):
26              cal()
27              #m = m + 1
28          return y
29
30  def summ():
31      global n
32      global summa
33      for numn in range (1,n+1):
34          #print()
35          #print(numn,"个数")
36          temppp = exec(numn)
37          #print(temppp,"斐波那契数")
38          summa = temppp + summa
39          restore()
40      return summa
41
42  def restore():
43      global x
44      global y
45      x = 0
46      y = 1
47
48  print(summ())
```

```
1   n = int(input())
2   # Don't change the above line. You need to write your code below this
```

Check

Previous page   Finish attempt ...

Network connection lost. (Autosave failed).

Make a note of any responses entered on this page in the last few minutes, then try to re-connect.

Once connection has been re-established, your responses should be saved and this message will disappear.

Jump to... | Jump to...   ⌄ |

Skip Quiz navigation

Quiz navigation

Finish attempt ...
Time left
You are logged in as Zehua Zhu (Log out)
CITS1401 2022S2

Data retention summary
Get the mobile app