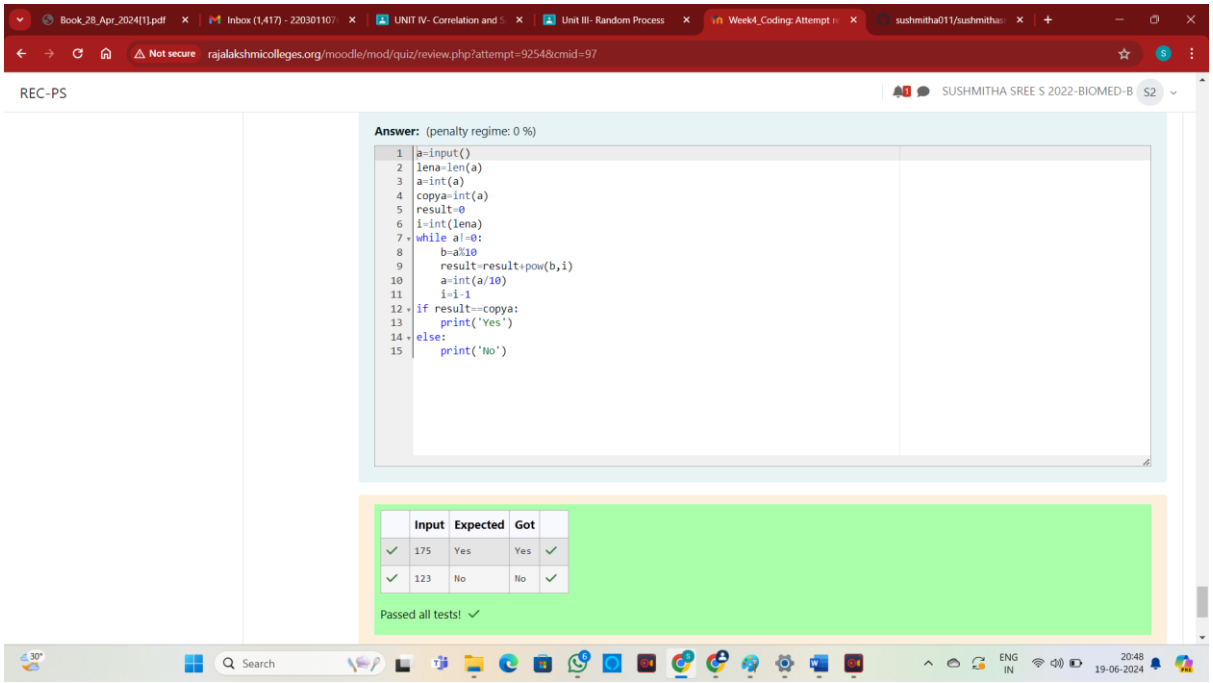
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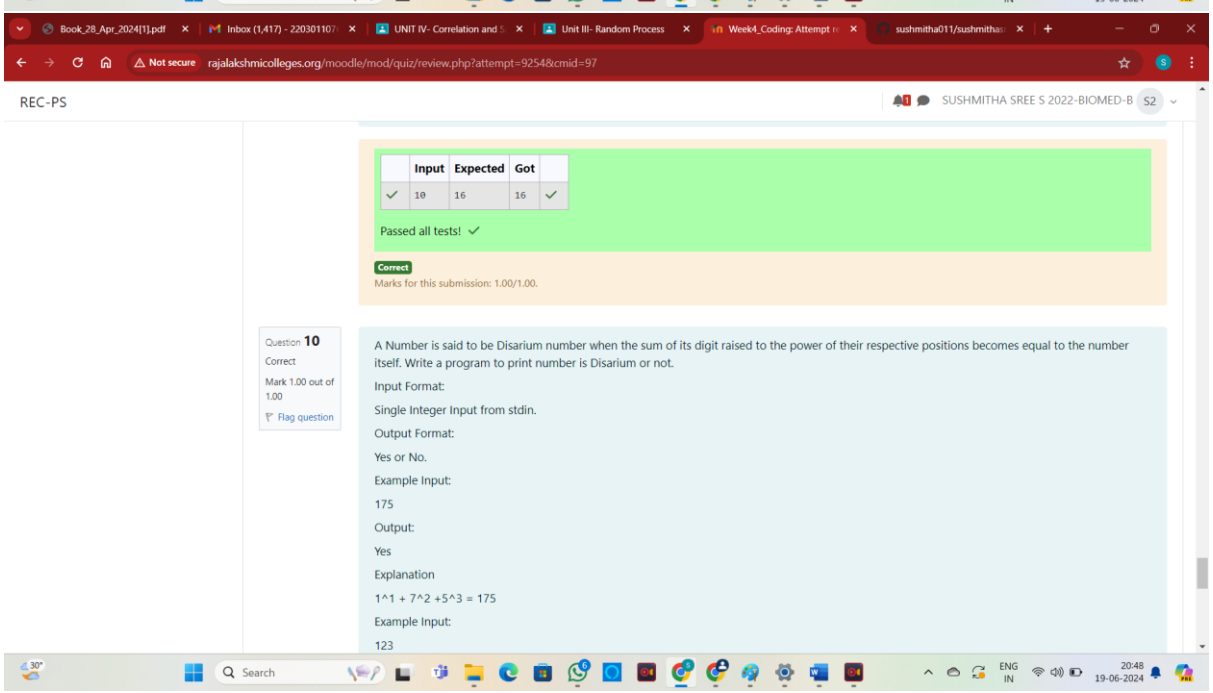
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Answer: (penalty regime: 0 %)
a=input()
lena=len(a)
a=int(a)
copya=int(a)
result=0
i=int(lena)
while a!=0:
b=a%10
result=result+pow(b,i)
a=int(a/10)
i=i-1
if result==copya:
print('Yes')
else:
print('No')
Input
Expected
Got
175
Yes
Yes
123
No
No
Passed all tests!
Search
ENG
IN
20:48
19-06-2024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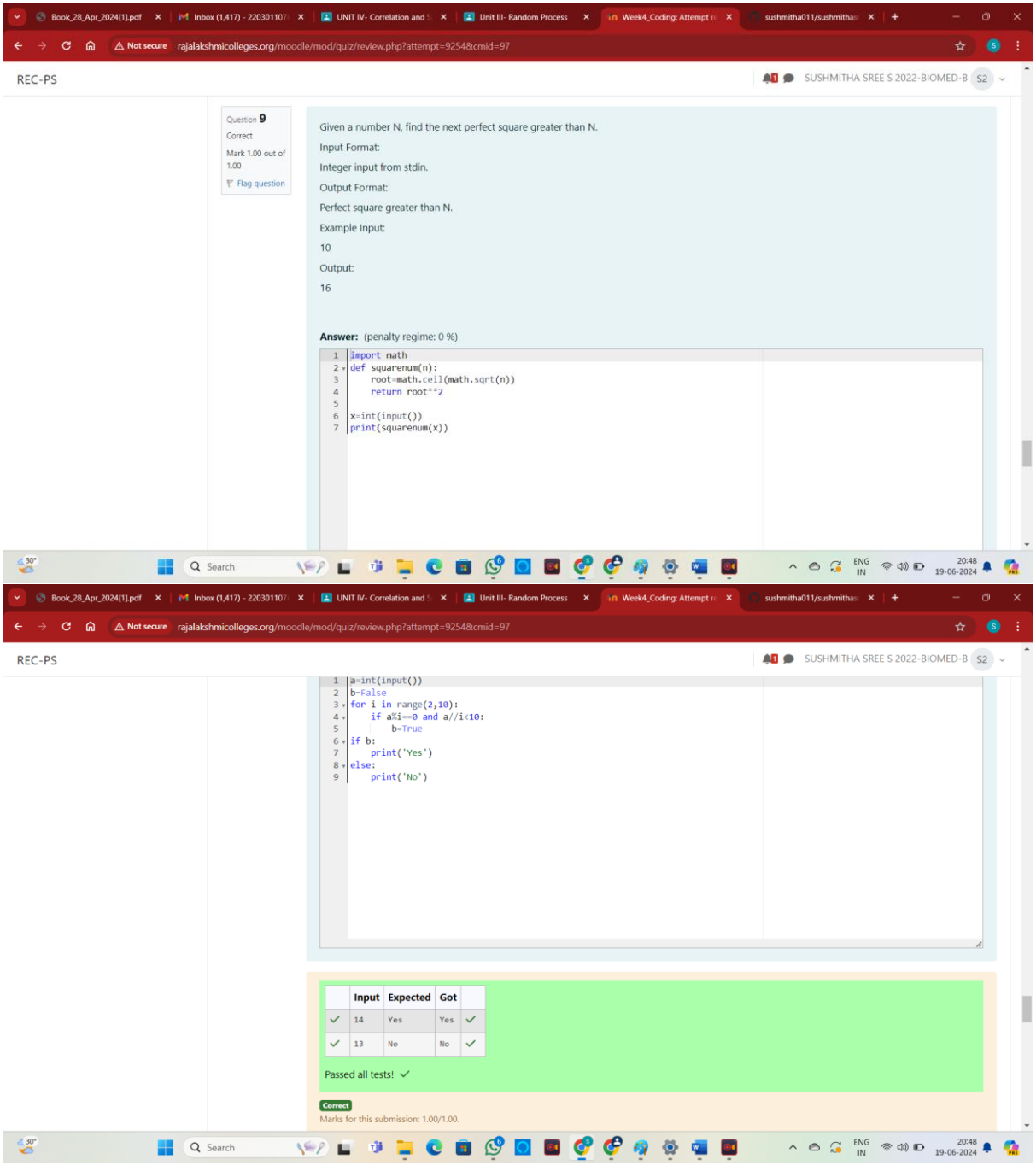
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Input
Expected
Got
10
16
16
Passed all tests!
Correct
Marks for this submission: 1.00/1.00.
Question 10
Correct
Mark 1.00 out of 1.00
Flag question
A Number is said to be Disarium number when the sum of its digit raised to the power of their respective positions becomes equal to the number itself. Write a program to print number is Disarium or not.
Input Format:
Single Integer Input from stdin.
Output Format:
Yes or No.
Example Input:
175
Output:
Yes
Explanation
1^1 + 7^2 +5^3 = 175
Example Input:
123
Search
ENG
IN
20:48
19-06-2024



REC-PS

SUSHMITHA SREE S 2022-BIOMED-B

Question 9
Correct
Mark 1.00 out of 1.00
Flag question

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 %)

```
import math
def squarenum(n):
    root=math.ceil(math.sqrt(n))
    return root**2

x=int(input())
print(squarenum(x))
```

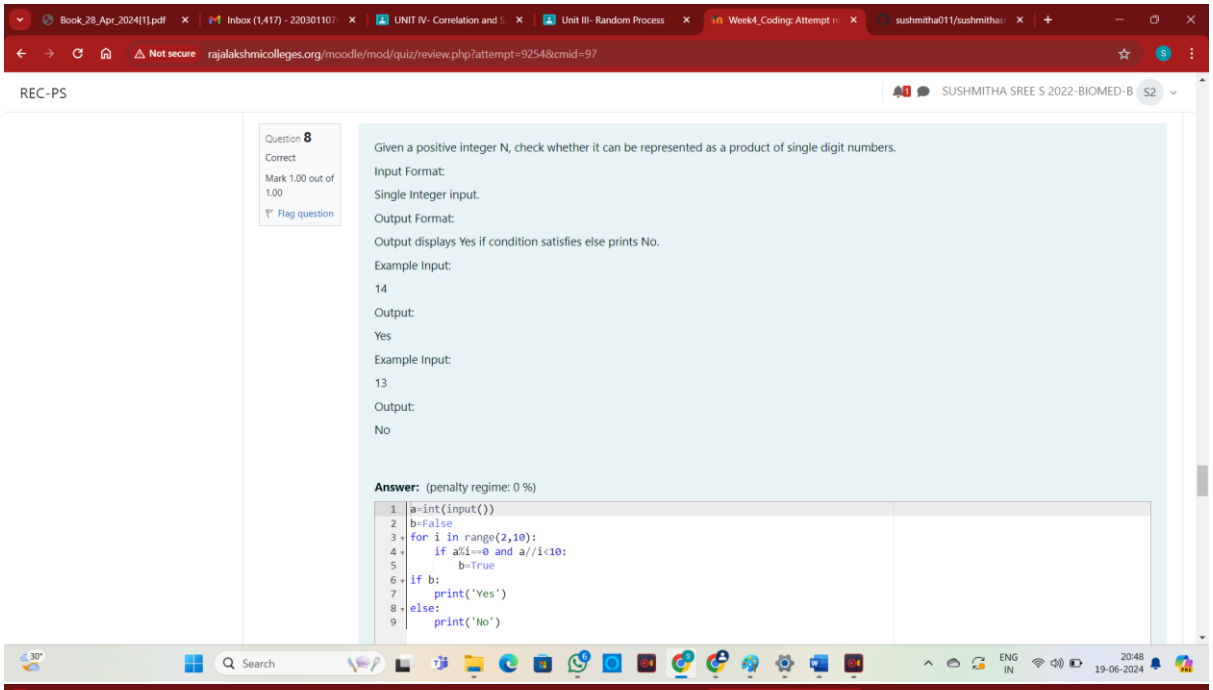
```
a=int(input())
b=False
for i in range(2,10):
    if a%i==0 and a//i<10:
        b=True
if b:
    print('Yes')
else:
    print('No')
```

	Input	Expected	Got	
✓	14	Yes	Yes	✓
✓	13	No	No	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.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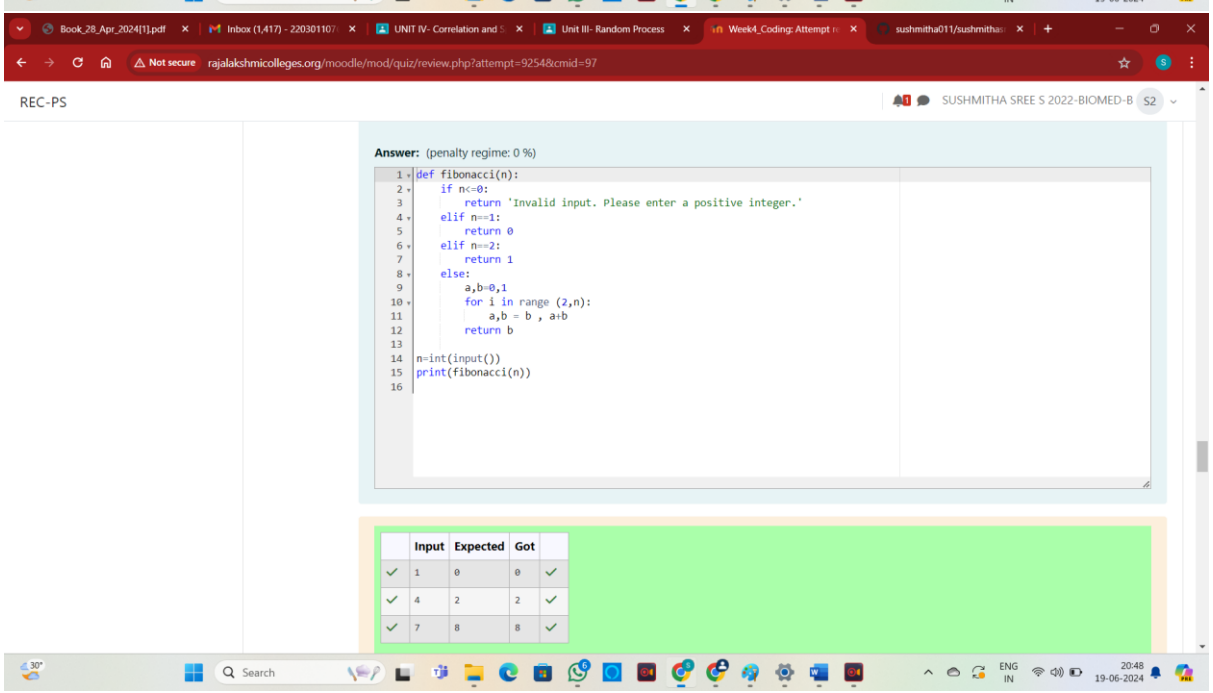
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Question 8
Correct
Mark 1.00 out of 1.00
Flag question
Given a positive integer N, check whether it can be represented as a product of single digit numbers.
Input Format:
Single Integer input.
Output Format:
Output displays Yes if condition satisfies else prints No.
Example Input:
14
Output:
Yes
Example Input:
13
Output:
No
Answer: (penalty regime: 0 %)
a=int(input())
b=False
for i in range(2,10):
if a%i==0 and a//i<10:
b=True
if b:
print('Yes')
else:
print('No')
Search
ENG
IN
20:48
19-06-2024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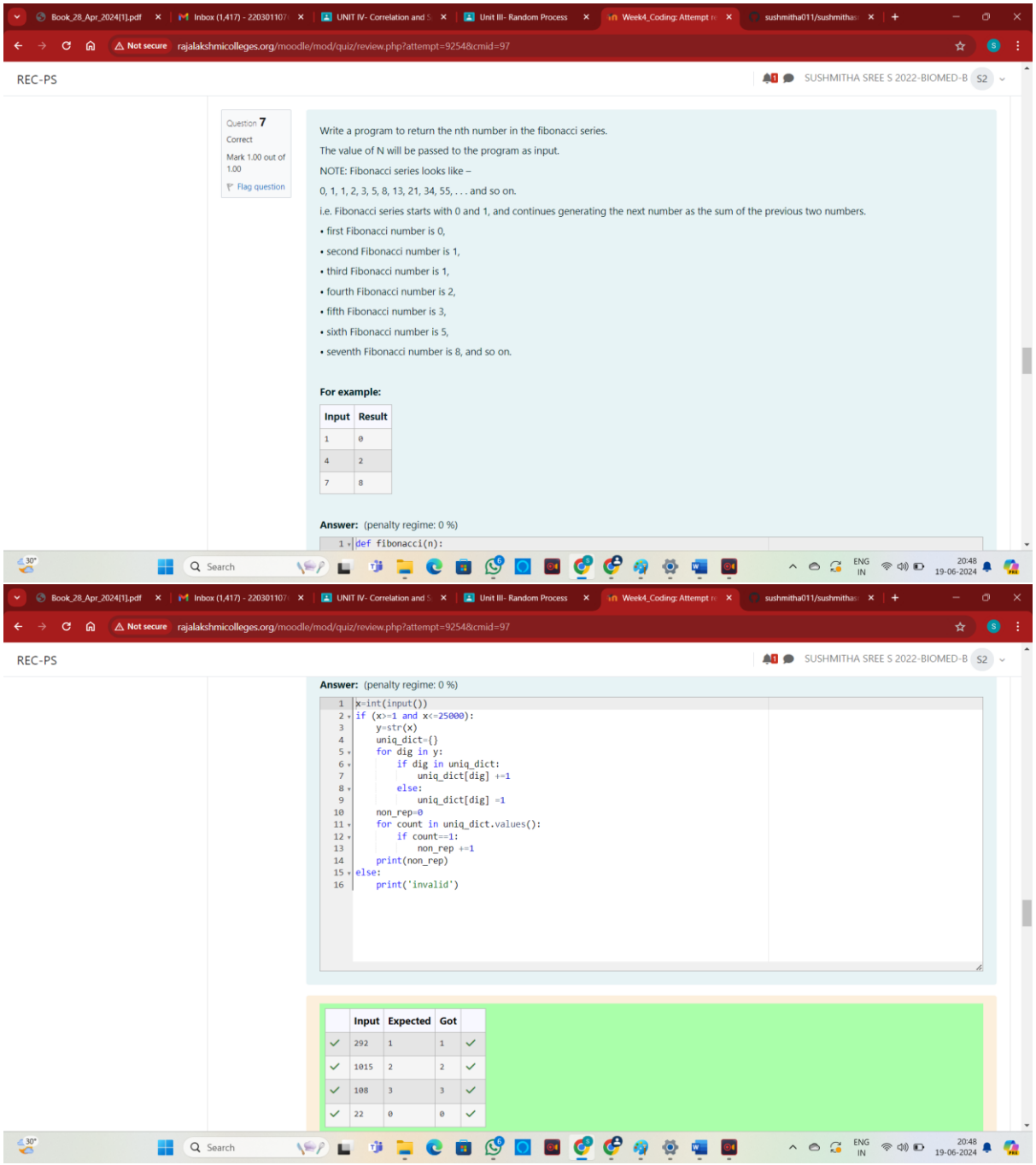
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Answer: (penalty regime: 0 %)
def fibonacci(n):
if n<=0:
return 'Invalid input. Please enter a positive integer.'
elif n==1:
return 0
elif n==2:
return 1
else:
a,b=0,1
for i in range (2,n):
a,b = b , a+b
return b
n=int(input())
print(fibonacci(n))
Input
Expected
Got
1
0
0
4
2
2
7
8
8
Search
ENG
IN
20:48
19-06-2024



REC-PS

SUSHMITHA SREE S 2022-BIOMED-B

Question 7
Correct
Mark 1.00 out of 1.00
Flag question

Write a program to return the nth number in the fibonacci series.

The value of N will be passed to the program as input.

NOTE: Fibonacci series looks like –

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, . . . and so on.

i.e. Fibonacci series starts with 0 and 1, and continues generating the next number as the sum of the previous two numbers.

- first Fibonacci number is 0,
- 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 %)

```
def fibonacci(n):
```


REC-PS

SUSHMITHA SREE S 2022-BIOMED-B

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	292	1	1	✓
✓	1015	2	2	✓
✓	108	3	3	✓
✓	22	0	0	✓

Question **6**
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)
    uniq_dict={}
    for dig in y:
        if dig in uniq_dict:
            uniq_dict[dig] +=1
        else:
```


Book_28_Apr_2024[1].pdf | Inbox (1,417) - 220301107 | UNIT IV- Correlation and S | Unit III- Random Process | Week4_Coding: Attempt re | sushmitha011/sushmitha
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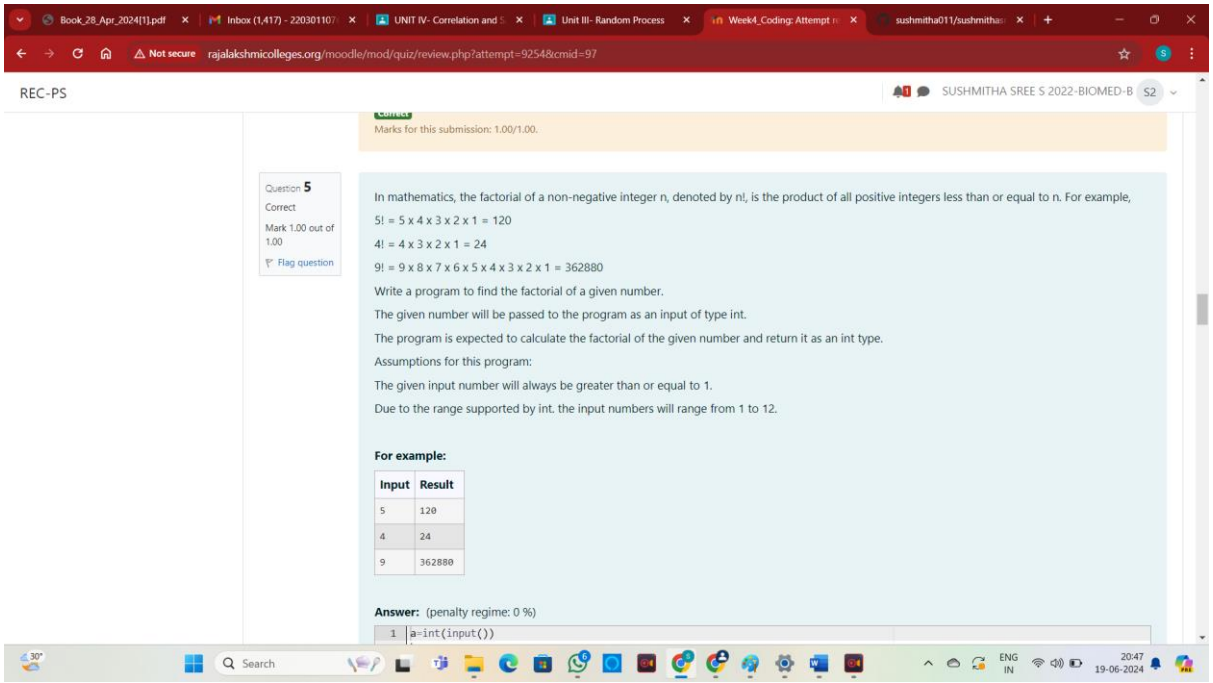
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B S2

Answer: (penalty regime: 0 %)

```
a=int(input())
b=1
if 1<=a<=12:
    while a>1:
        b=b*a
        a=a-1
print(b)
```

	Input	Expected	Got	
✓	5	120	120	✓
✓	4	24	24	✓
✓	9	362880	362880	✓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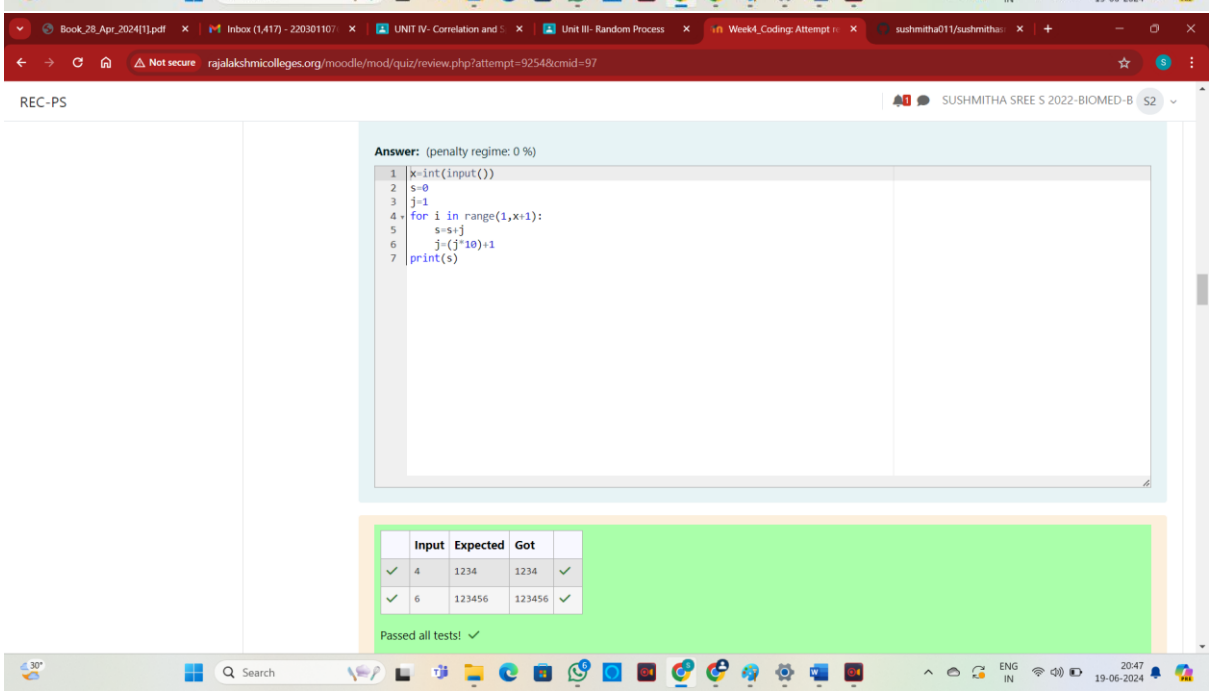
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Marks for this submission: 1.00/1.00.
Question 5
Correct
Mark 1.00 out of 1.00
Flag question
In mathematics, the factorial of a non-negative integer n, denoted by n!, is the product of all positive integers less than or equal to n. For example,
5! = 5 x 4 x 3 x 2 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 %)
1 a=int(input())
Search
ENG
IN
20:47
19-06-2024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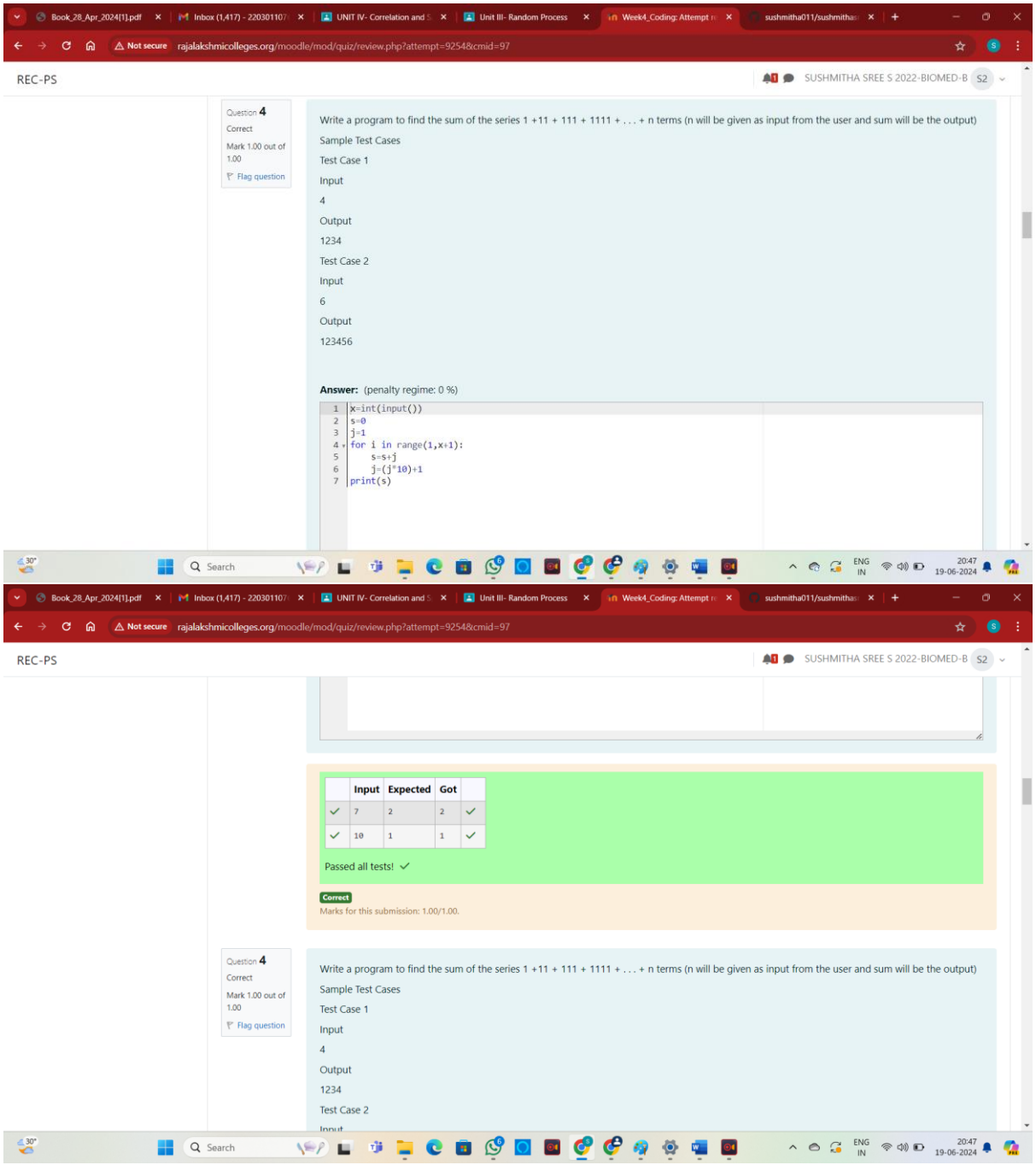
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Answer: (penalty regime: 0 %)
x=int(input())
s=0
j=1
for i in range(1,x+1):
s=s+j
j=(j*10)+1
print(s)
Input
Expected
Got
4
1234
1234
6
123456
123456
Passed all tests!
Search
ENG
IN
20:47
19-06-2024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REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Question 4
Correct
Mark 1.00 out of 1.00
Flag question
Write a program to find the sum of the series 1 +11 + 111 + 1111 + . . . + n terms (n will be given as input from the user and sum will be the output)
Sample Test Cases
Test Case 1
Input
4
Output
1234
Test Case 2
Input
6
Output
123456
Answer: (penalty regime: 0 %)
x=int(input())
s=0
j=1
for i in range(1,x+1):
s=s+j
j=(j*10)+1
print(s)
Search
ENG
IN
20:47
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REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Input
Expected
Got
7
2
2
10
1
1
Passed all tests!
Correct
Marks for this submission: 1.00/1.00.
Question 4
Correct
Mark 1.00 out of 1.00
Flag question
Write a program to find the sum of the series 1 +11 + 111 + 1111 + . . . + n terms (n will be given as input from the user and sum will be the output)
Sample Test Cases
Test Case 1
Input
4
Output
1234
Test Case 2
Search
ENG
IN
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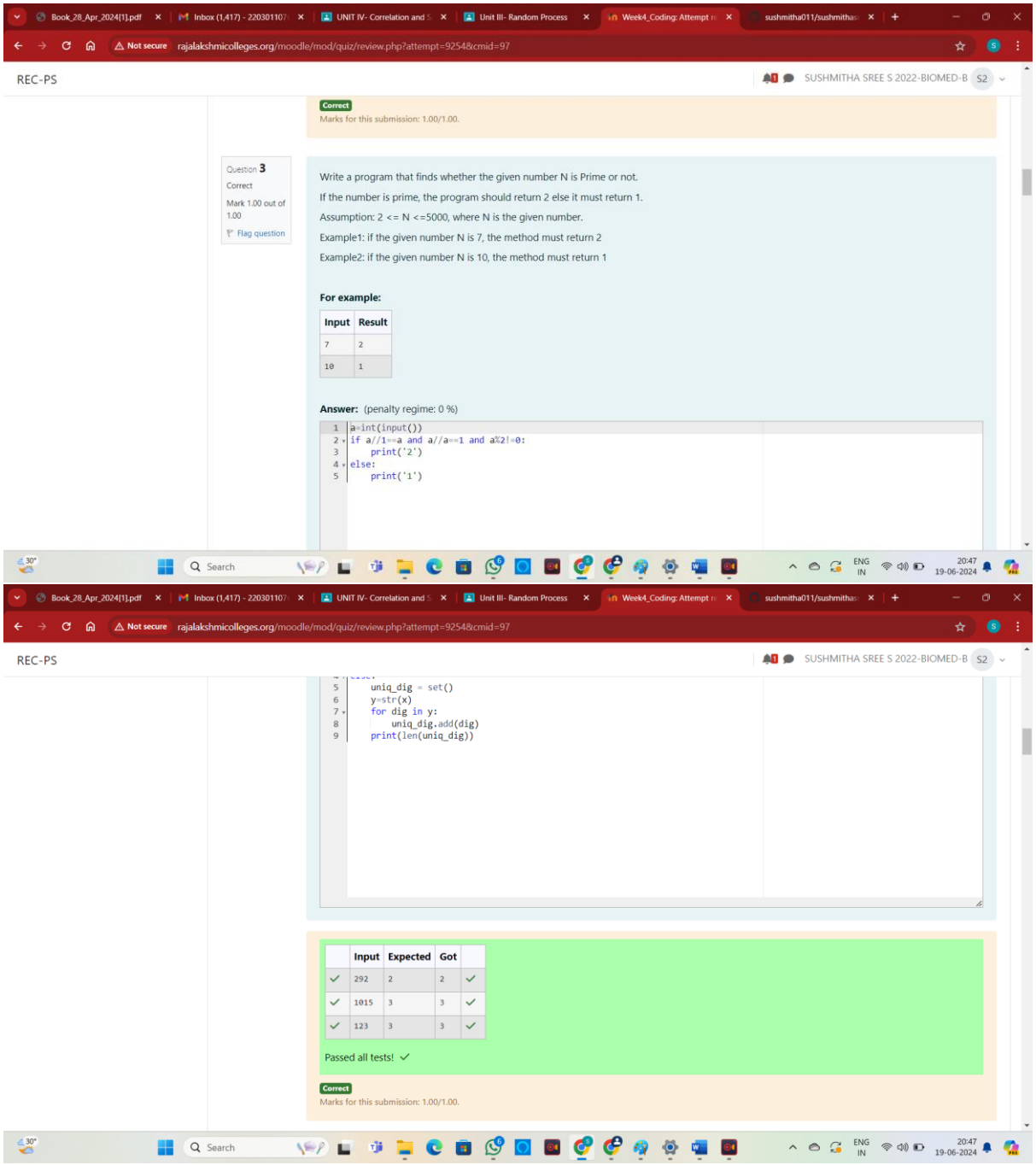
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REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
Correct
Marks for this submission: 1.00/1.00.
Question 3
Correct
Mark 1.00 out of 1.00
Flag question
Write a program that finds whether the given number N is Prime or not.
If the number is prime, the program should 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 %)
a=int(input())
if a//1==a and a//a==1 and a%2!=0:
print('2')
else:
print('1')
Search
ENG
IN
20:47
19-06-2024

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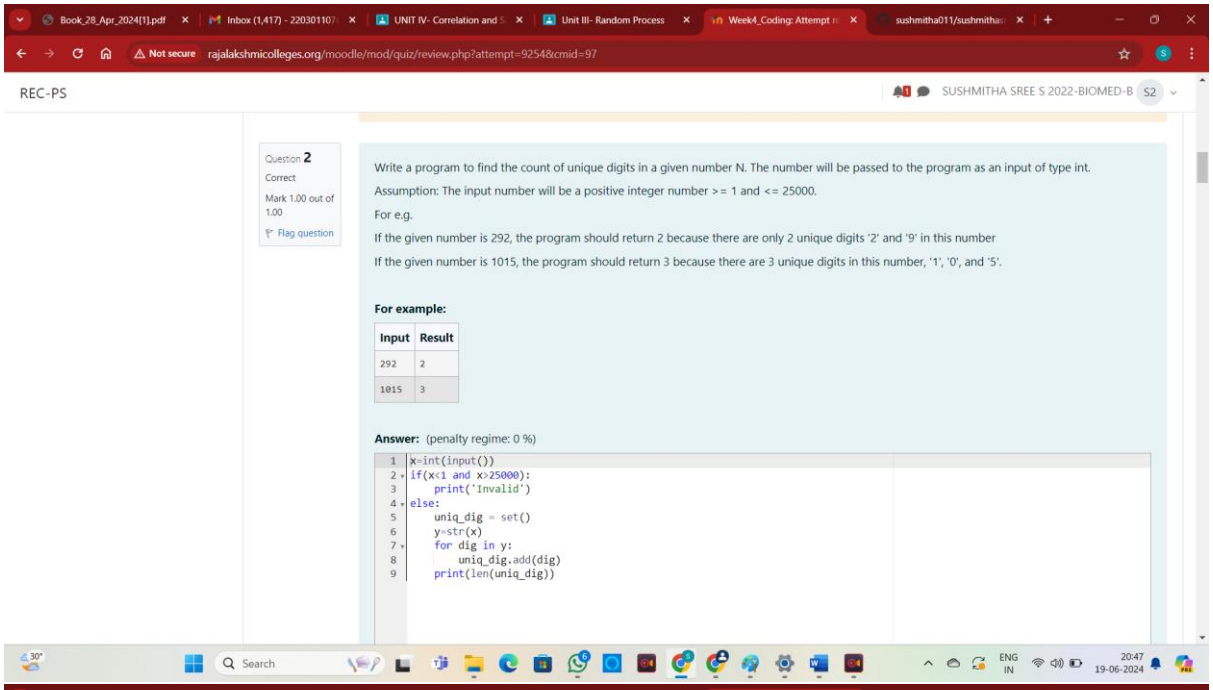
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
uniq_dig = set()
y=str(x)
for dig in y:
uniq_dig.add(dig)
print(len(uniq_dig))
Input
Expected
Got
292
2
2
1015
3
3
123
3
3
Passed all tests!
Correct
Marks for this submission: 1.00/1.00.
Search
ENG
IN
20:47
19-06-2024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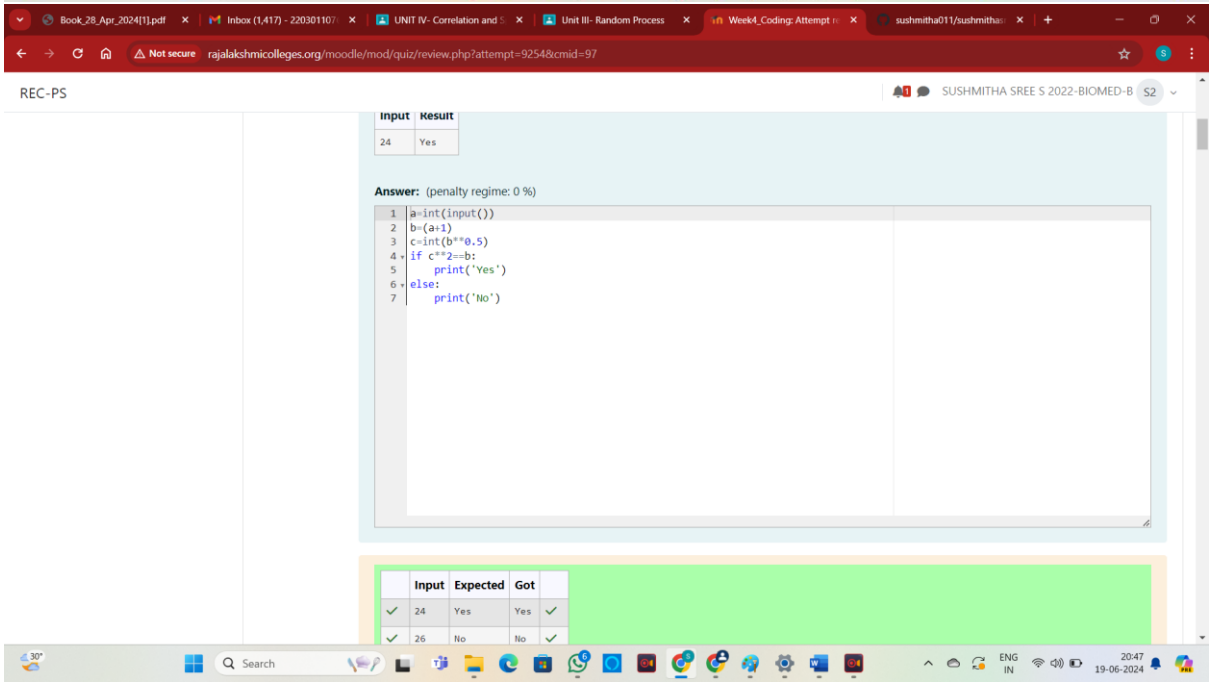
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
S2
Question 2
Correct
Mark 1.00 out of 1.00
Flag question
Write a program to find the count of unique digits in a given number N. The number will be passed to the program as an input of type int.
Assumption: The input number will be a positive integer number >= 1 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())
if(x<1 and x>25000):
print('Invalid')
else:
uniq_dig = set()
y=str(x)
for dig in y:
uniq_dig.add(dig)
print(len(uniq_dig))
Search
ENG
IN
20:47
19-06-2024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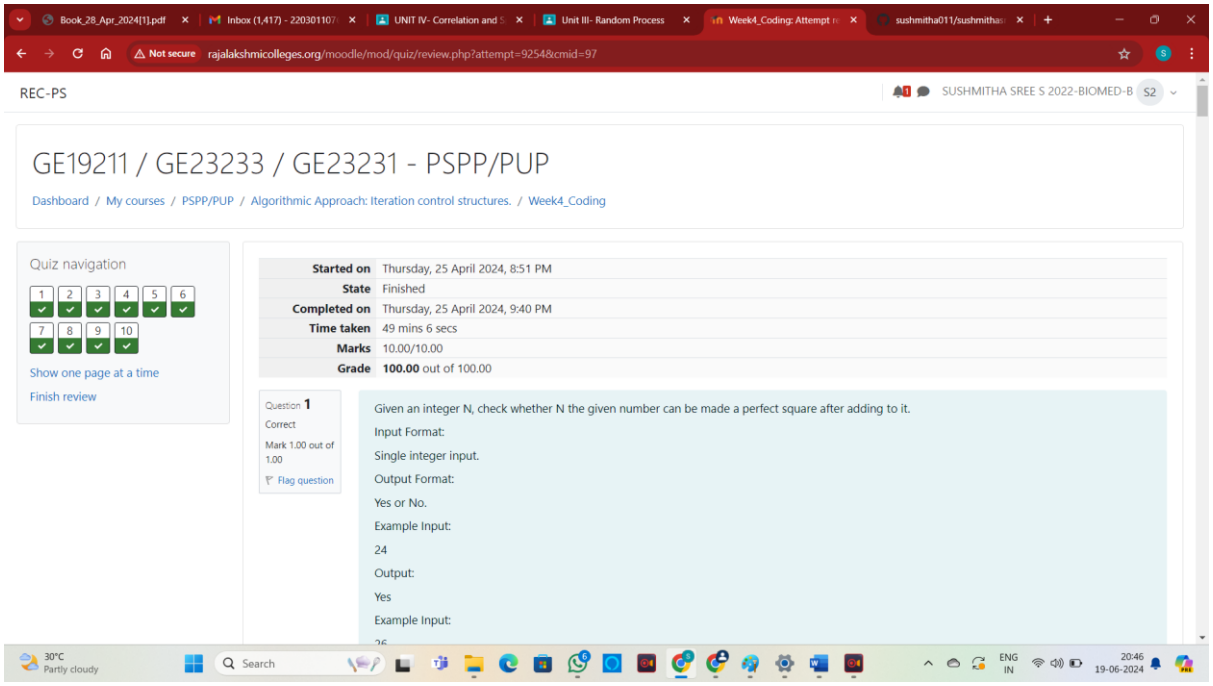
REC-PS
SUSHMITHA SREE S 2022-BIOMED-B
S2
Input
Result
24
Yes
Answer: (penalty regime: 0 %)
a=int(input())
b=(a+1)
c=int(b**0.5)
if c**2==b:
print('Yes')
else:
print('No')
Input
Expected
Got
24
Yes
Yes
26
No
No
Search
ENG
IN
20:47
19-06-2024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SUSHMITHA SREE S 2022-BIOMED-B
S2
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Show one page at a time
Finish review
Started on Thursday, 25 April 2024, 8:51 PM
State Finished
Completed on Thursday, 25 April 2024, 9:40 PM
Time taken 49 mins 6 secs
Marks 10.00/10.00
Grade 100.00 out of 100.00
Question 1
Correct
Mark 1.00 out of 1.00
Flag question
Given an integer N, check whether N the given number can be made a perfect square after adding to it.
Input Format:
Single integer input.
Output Format:
Yes or No.
Example Input:
24
Output:
Yes
Example Input:
30°C
Partly cloudy
Search
ENG
IN
20:46
19-06-2024