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<b>Started on</b>	Wednesday, 13 March 2024, 11:02 AM
<b>State</b>	Finished
<b>Completed on</b>	Saturday, 30 March 2024, 11:37 AM
<b>Time taken</b>	17 days
<b>Marks</b>	3.00/5.00
<b>Grade</b>	<b>30.00</b> out of 50.00 ( <b>60%</b> )
<b>Name</b>	<a href="#">ABHIGNYA P 2022-CSD-A</a>



Question **1**

Correct

Mark 1.00 out of 1.00

Write a program to find the sum of the series  $1 + 11 + 111 + 1111 + \dots + n$  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

Explanation:

as input is 4, have to take 4 terms.

$1 + 11 + 111 + 1111$

Test Case 2

Input

6

Output

123456

**For example:**

Input	Result
3	123

**Answer:** (penalty regime: 0 %)

```

1 a=int(input())
2 sum=0
3 b=1
4 for i in range(1,a+1):
5     sum=sum+b
6     b=(b*10)+1
7 print(sum)
```

	Input	Expected	Got	
✓	1	1	1	✓
✓	3	123	123	✓

Question **3**

Correct

Mark 1.00 out of 1.00

Write a program to check whether a given number is a perfect number or not.

Perfect number is a positive number which sum of all positive divisors excluding that number is equal to that number.

For example, 6 is perfect number since divisor of 6 are 1, 2 and 3.

Sum of its divisor is  $1 + 2 + 3 = 6$

Sample Test Cases

Test Case 1

Input

6

Output

YES

Test Case 2

45

Output

NO

**For example:**

Input	Result
6	YES

**Answer:** (penalty regime: 0 %)

```

1 a=int(input())
2 b=0
3 for i in range(1,a):
4     if(a%i==0):
5         b=b+i
6 if(b==a):
7     print("YES")
8 else:
9     print("NO")

```

	Input	Expected	Got	
✓	6	YES	YES	✓



	Input	Expected	Got	
✓	45	NO	NO	✓
✓	496	YES	YES	✓
✓	123	NO	NO	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.



Question **4**

Correct

Mark 1.00 out of 1.00

Write a program to find the sum of the series  $1 + 11 + 111 + 1111 + \dots + n$  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

Explanation:

as input is 4, have to take 4 terms.

$1 + 11 + 111 + 1111$

Test Case 2

Input

6

Output

123456

**For example:**

Input	Result
3	123

**Answer:** (penalty regime: 0 %)

```

1 a=int(input())
2 sum=0
3 b=1
4 for i in range(1,a+1):
5     sum=sum+b
6     b=(b*10)+1
7 print(sum)
```

	Input	Expected	Got	
✓	1	1	1	✓
✓	3	123	123	✓