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Problem 3

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Final Exam due Oct 26, 2022 07:30 +08 Completed

You will not be able to see the test cases for this question. This will test your ability to come up with your own test cases.

Problem 3

10.0/10.0 points (graded)

Write a function `is_triangular` that meets the specification below. A triangular number is a number obtained by the continued summation of integers starting from 1. For example, 1, 1+2, 1+2+3, 1+2+3+4, etc., corresponding to 1, 3, 6, 10, etc., are triangular numbers.

```
def is_triangular(k):
    """
    k, a positive integer
    returns True if k is triangular and False if not
    """
    #YOUR CODE HERE
```

Paste your entire function, including the definition, in the box below. Do not leave any debugging print statements.

```
def is_triangular(k):
    """
    k, a positive integer
    returns True if k is triangular and False if not
    """
    #YOUR CODE HERE
    count = 1
    breakpoint = 0
    while k > breakpoint:
        k = k - count
        count = count + 1
        # print(k)
    if k == breakpoint:
        return True
    else:
```

Press ESC then TAB or click outside of the code editor to exit

Correct

Test results

CORRECT

See full output

See full output

Submit You have used 2 of 10 attempts

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