BIS 420 PROGRAMMING FOR DATA SCIENCE

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CHAPTER 7 EXERCISE 7.4
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The built-in function eval takes a string and evaluates it using the Python inter-preter. For example:

```
>>> eval('1 + 2 * 3')
7
>>> import math
>>> eval('math.sqrt(5)')
2.2360679774997898
>>> eval('type(math.pi)')
<type 'float'>
```

Write a function called eval_loop that iteratively prompts the user, takes the resulting input and evaluates it using eval, and prints the result.

It should continue until the user enters'done', and then return the value of the last expression it evaluated.

Output:

```
import math


def eval_loop():
    last_result = None
    while True:
        user_input = input("Enter an expression (or 'done' to quit): ")
        if user_input.lower() == 'done':
            break
        last_result = eval(user_input)
        print(last_result)
    return last_result


eval_loop()
```