

CSC148: Exceptions

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Question 1

What is the output produced by the following code?

```
def f2(x):  
    if x % 2 == 1:  
        raise ArithmeticError  
    return x // 2  
  
def f1(x):  
    while x > 0:  
        try:  
            print(f2(x))  
        except ArithmeticError:  
            print('caught')  
        finally:  
            x = x - 1  
  
f1(5)
```

Question 2

What is the output produced by parts a to e in the following code? Indicate the type of error followed by its corresponding print statement.

```
def division(a, b):
    try:
        answer = a / b
    except ZeroDivisionError:
        print('Cannot divide by zero')
    except TypeError:
        print('Wrong type')
    except NameError:
        print('Name not defined inside')
    else:
        print('Answer available')
    finally:
        print('End of program')

if __name__ == '__main__':
    # Part a
    division(6, 0)

    # Part b
    division(0, 42)

    # Part c
    division(100, 50)

    # Part d
    division('science', 1)

    # Part e
    try:
        division(x, 1)
    except NameError:
        print('Name not defined outside')
```