

## ECE326 Quiz 7, Fall 2019

Name:

Student Number:

1. The goal is to write a debugger decorator. When we use this decorator for a function, it prints out the input arguments' and output's types and values like below:

```
inputs:
<class 'int'>:123
<class 'str'>:abc
<class 'float'>:1.0
output:
<class 'float'>:1.0
```

Please complete the decorator's code.

---

```
def debugger_decorator(fun):
```

```
    // start your code here
    def debugger(*args):
        ret = fun(*args)
        print("inputs:")
        for arg in args:
            print(str(type(arg)) + ":" + str(arg))
        print("output:")
        print(str(type(ret)) + ":" + str(ret))
        return ret
    return debugger
```

```
@debugger_decorator
```

```
def test(*args):
    return 1.0
```

```
test(123, 'abc', 1.0)
```