

Swift Code:

```
func makeIncrementor(forIncrement amount: Int) -> (() -> Int, () -> Int) {

    var runningTotal = 0

    func incrementor() -> Int {

        runningTotal += amount

        return runningTotal

    }

    func decrementor()->Int{

        runningTotal -= amount

        return runningTotal

    }

    runningTotal += 1000;

    return (incrementor,decrementor)

}

let counter = makeIncrementor(forIncrement: 1);

let a1 = counter.0();

assert(a1==1001, "a1")

let a2 = counter.0();

assert(a2==1002, "a2")

let a3 = counter.0();

assert(a3==1003, "a3")

let c1 = counter.1();

assert(c1==1002, "c1")
```

Objective-C Code:

```
__block int runningTotal = 0;

int (^incrementor)() = ^(){
    return ++runningTotal;
};

int (^decrementor)() = ^(){
    return --runningTotal;
};
runningTotal=1000;
int a1 = incrementor();
int a2 = incrementor();
int a3 = incrementor();
int c1 = decrementor();
```