Sharing data between functions

- Pass by value
 - Data is copied
- Pass by reference
 - Data is aliased (i.e. pointers)

5/2 = 2 remainder 1

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```
main()
x = 5
y = 2
value = ?
remainder = ?
integerDivision()
```

```
integerDivision()
main()
x = 5
y = 2
value = ? result
remainder
remainder = ? integerDivision()
```

```
integerDivision()
main()
x = 5
y = 2
value = 2
remainder
remainder = 1
integerDivision()
```

```
main()
x = 5
y = 2
value = 2
remainder = 1
integerDivision()
```

Review

- Pass by value
- Pass by reference