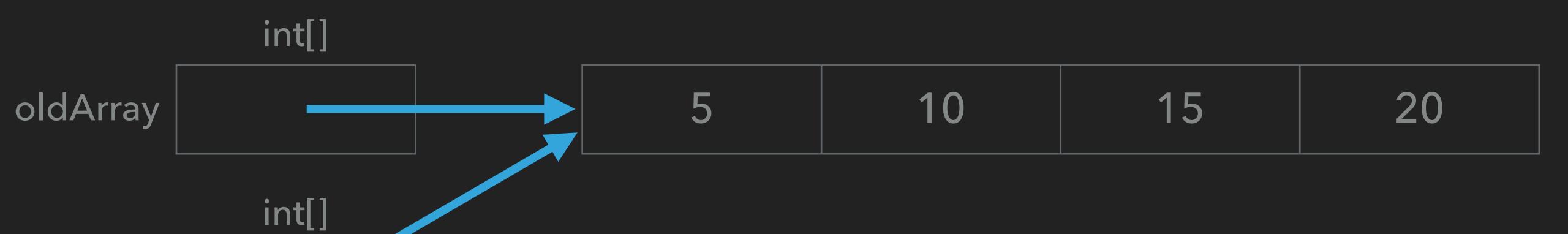


```
int[] oldArray = {5, 10, 15, 20};
int[] newArray = oldArray;
```

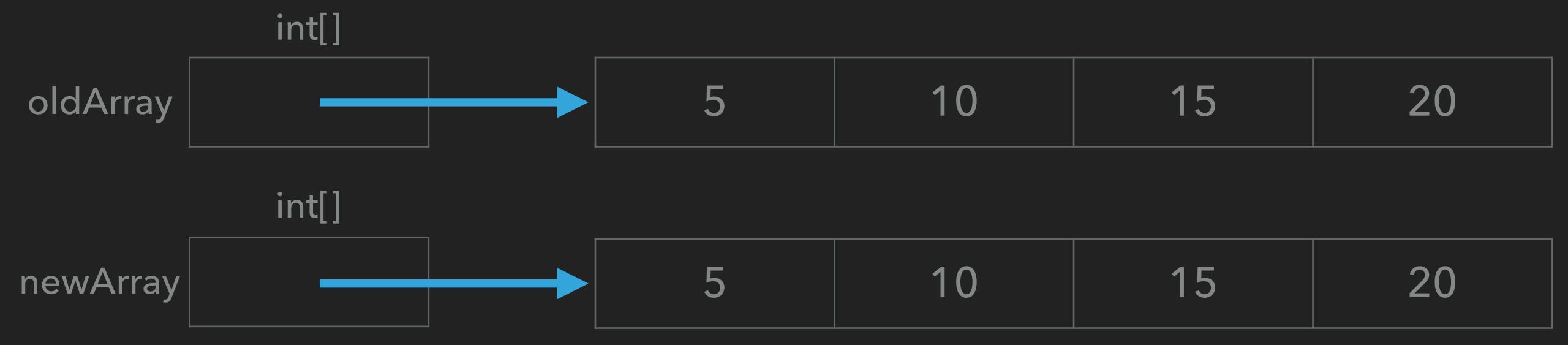
newArray



NEWARRAY IS AN ALIAS OF OLDARRAY.

KEY POINT: OLDARRAY AND NEWARRAY POINT TO THE SAME ARRAY.

```
int[] oldArray = {5, 10, 15, 20};
int[] newArray = new int[oldArray.length];
for (int i = 0; i < oldArray.length; i++)
{
    newArray[i] = oldArray[i];
}</pre>
```



Log on to **Socrative.com** and join room **JMUAdkins**

CS 159 REVIEW, JAMES MADISON UNIVERSITY

COPYING

Create a shallow copy of camry into a new Car object named "prius".

```
public class Car
    // Attributes
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a shallow copy of camry into a new Car object named "prius".

```
public class Car
    // Attributes
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a shallow copy of camry into a new Car object named "prius".

Pull up Socrative.com and join room XTEND159

Car prius = new Car(camry.make, camry.model);

Create a deep copy of camry into a new Car object named "prius".

```
public class Car
                                        Pull up Socrative.com
    // Attributes
                                      and join room XTEND159
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a deep copy of camry into a new Car object named "prius".

```
public class Car
    // Attributes
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a deep copy of camry into a new Car object named "prius".

```
Car prius = new Car( new String(camry.make),
new String(camry.model));
```

Create a copy constructor that can be added to the Car class.

```
public class Car
    // Attributes
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a copy constructor that can be added to the Car class.

```
public class Car
    // Attributes
    String make;
    String model;
    public Car (String make, String model)
        this.make = make;
        this.model = model;
Car camry = new Car("Toyota", "Prius");
```

Create a copy constructor that can be added to the Car class.

```
public Car (Car toCopy)
{
    make = new String(toCopy.make);
    model = new String(toCopy.model);
}
```