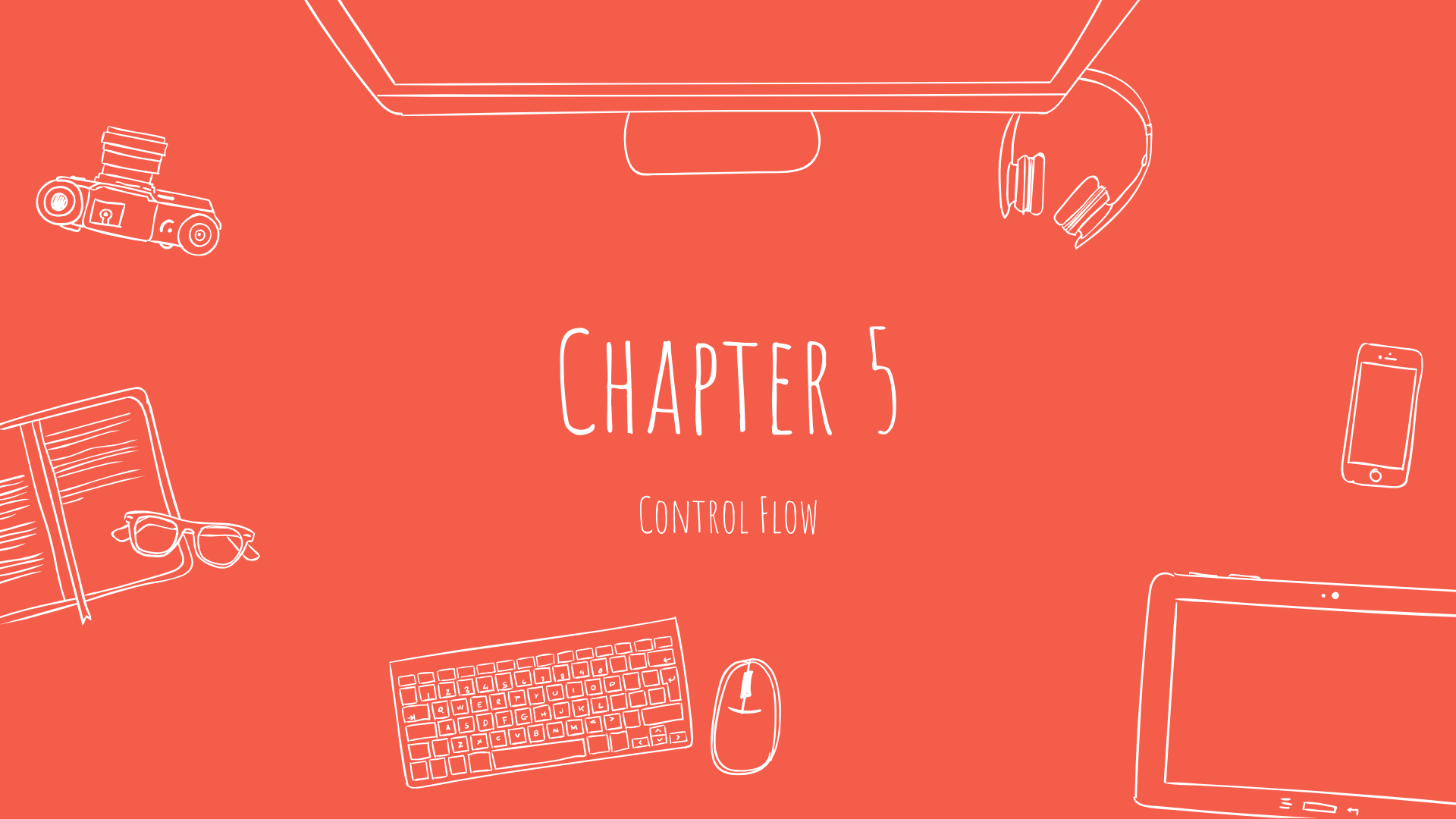


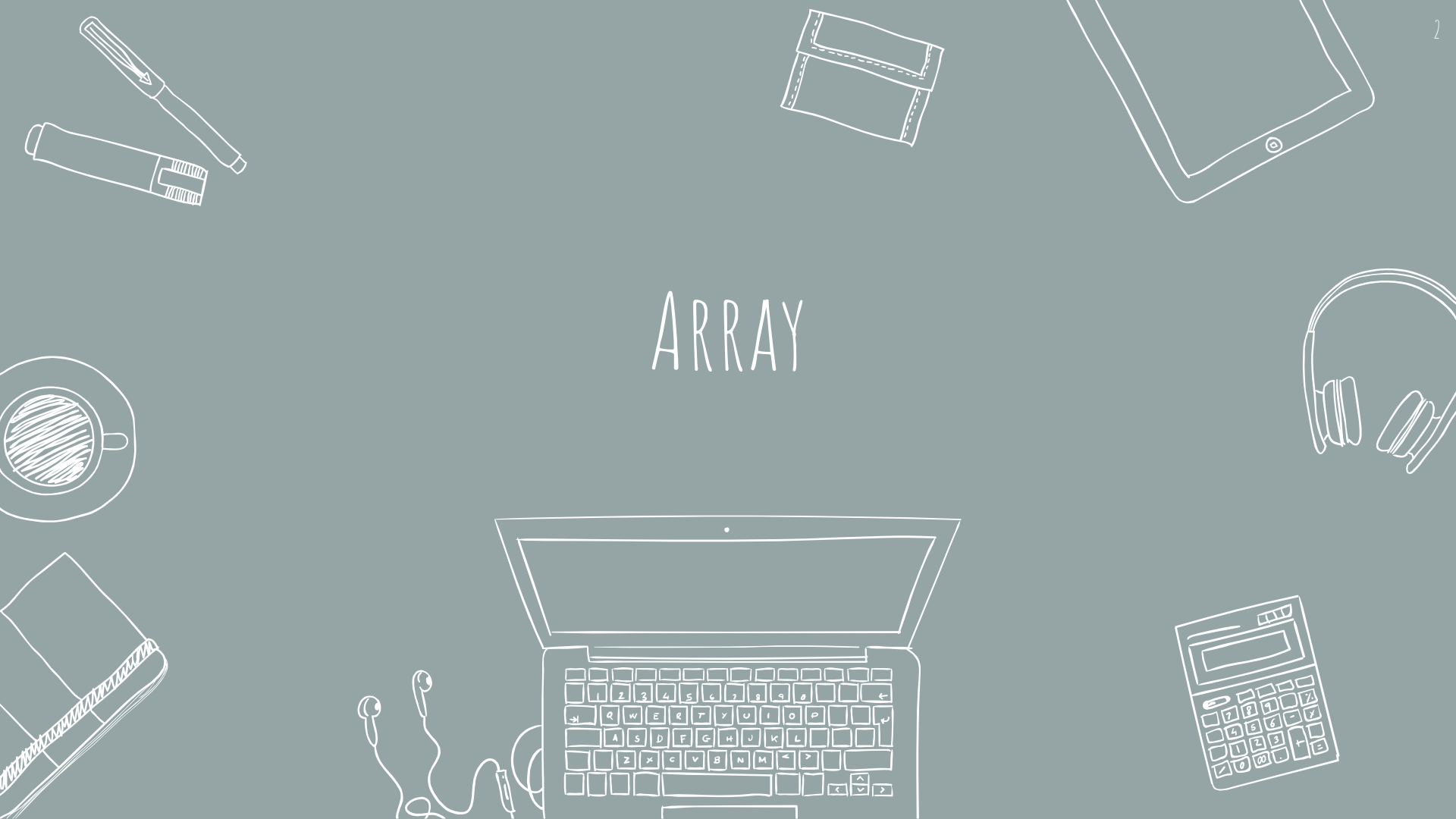
CHAPTER 5

CONTROL FLOW



2

ARRAY





ARRAY

Arrays are used to store multiple values in a single variable, instead of declaring separate variables for each value.

Define array

```
datatype[] variableName;
```

E.g.

```
String[] cars;
```

ARRAY

Initializing Array

`cars = new String[10]; OR`

`String[] cars = {"Volvo", "BMW", "Ford",
"Mazda"};`

Note: Once the length of the array is defined, it cannot be changed in the program.

ARRAY

Accessing

- `cars[0] = "Nissan"; // Set first element`
- `cars[1] = "Tesla"; // initialize second element`

If the length of an array is n , the first element of the array will be `arrayName[0]` and the last element will be `arrayName[n-1]`.

ARRAY - TRY OUT

```
int[] numbers = {1,2,3,4};  
System.out.println("First element in array " + numbers[0]);  
System.out.println("Number of elements in array " + numbers.length);  
int arrayLength = numbers.length;  
System.out.println("Last element in array " + numbers[arrayLength-1]);  
//Try this:  
System.out.println("Element at " + arrayLength + " index in array " + numbers[arrayLength]);
```



THANKS!

Any questions?

You can find me at:

`vijay_garry@hotmail.com`

<https://github.com/vijaygarry>