Chapter Quiz

In the following quiz, you will be tested on concepts you learned in this chapter.

1 What are control structures used for?

2 What will be the output of the following code?

```
main() {
   var a = 7;
   var b = 2;

   var result = a>b ? b-a : a-b;
   print(result);
}
```

3 What will be the output of the following code?

```
main() {
  var list = [1,2,3,4,5];

  for (var i in list) {
    if (i % 2 != 0) {
      print(i);
    }
  }
}
```

4 What will be the output of the following code?

```
main() {
  dynamic constantPattern= List();

  switch(constantPattern){
    case 5:
      print("five");
      break;
    case true:
      print("truth");
      break;
    case "hello":
      print("hi!");
      break;
    case null:
      print("the empty list");
      break;
    default:
      print("something else");
      break;
  }
}
```

How many times will the `print()` method be called in the following code?
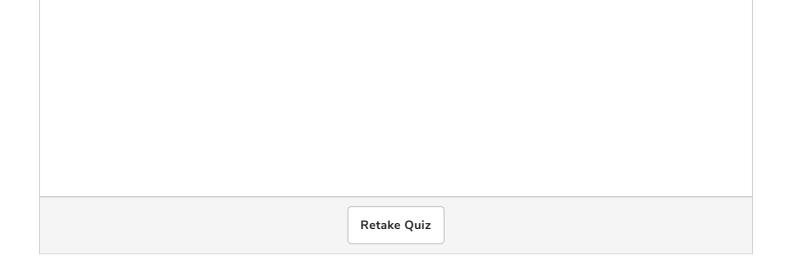
```
main() {
  var experience = [5,1,9,7,2,4];

  for(var i = 0; i < experience.length; i++){
    var candidateExperience = experience[i];
    if(candidateExperience < 5){
      continue;
    } else {
      break;
    }
    print("Call candidate $i for an interiew.");
  }
}
```

6 ⚠ What will happen when we run the following code?

```
main() {
    assert((3 << 1) == 7);
}
```

Let's move on to functions in the next chapter.