

A decorative graphic on the left side of the slide, consisting of a network of white lines and small circles on a dark blue background, resembling a circuit board or a neural network.

FLOW OF CONTROL

zyBook 4.6

FLOW OF CONTROL

- Flow of Control is the order that statements execute.
- With methods:
 - Control is transferred to the called method
 - When the called method is complete, the control returns to the calling method
- We can draw sequence diagrams to help understand the flow of control for a piece of software.

```
1 public class FlowOfControlExample {
2     public static void main(String[] args) {
3         method1();
4     }
5
6     public static void method1() {
7         System.out.println("A");
8         System.out.println("B");
9         method2();
10        System.out.println("C");
11    }
12
13    public static void method2() {
14        System.out.println("X");
15        System.out.println("Y");
16        System.out.println("Z");
17    }
18 }
```

Output:

A

B

X

Y

Z

C

