FLOW OF CONTROL

zyBook 4.6

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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.

```java
public class FlowOfControlExample {
    public static void main(String[] args) {
        method1();
    }

    public static void method1() {
        System.out.println("A");
        System.out.println("B");
        method2();
        System.out.println("C");
    }

    public static void method2() {
        System.out.println("X");
        System.out.println("Y");
        System.out.println("Z");
    }
}
```

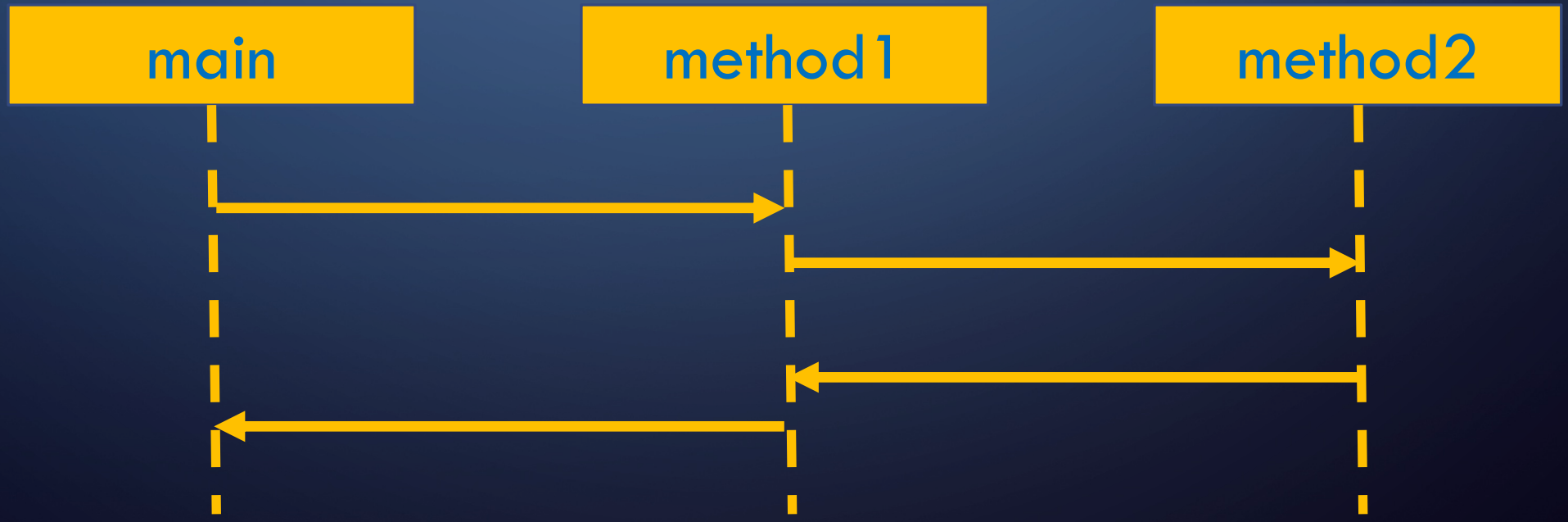
Output:

A

B

X

Y

Z

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