

Exercise 8 Answers

Looping constructs

- 1.
2. For example: `System.out.println(powerOf2A(4));` should produce the output of 16.
3.

```
public int powerOf2B(int n) {
    if (n == 0) return 1;
    int counter = n;
    int result = 1;
    do {
        result = 2 * result;
        counter--;
    }
    return result;
}
```
4.

```
public void printLineA(int length) {
    int i=0;
    while (i < length) {
        System.out.print("#");
        i++;
    }
    System.out.println();
}

public void printLineB(int length) {
    if (length == 0) return;
    int i=0;
    do {
        System.out.print("#");
        i++;
    } while (i < length);
    System.out.println();
}
```