

Java For Loop Hand Tracing #1

// ***** 1 *****

Output:

```
{
    for (int i = 3; i <= 7; i++)
    {
        System.out.print(i + " ");
    }

    System.out.println();
}
```

// ***** 2 *****

Output:

```
{
    for (int i = 10; i >= 6; i--)
    {
        System.out.print(i + " ");
    }

    System.out.println();
}
```

// ***** 3 *****

Output:

```
{
    int sum = 0;

    for (int i = 3; i < 12; i = i + 3)
    {
        sum = sum + i;
    }
    System.out.println(sum);
}
```

```
// ***** 4 *****
```

Output:

```
{
    String string1 = "boat";
    String string2 = "";

    for (int i = 0; i < string1.length(); i++)
    {
        string2 = string1.substring(i, i + 1) + string1;
    }

    System.out.println(string2);
}
```

```
// ***** 5 *****
```

Output:

```
{
    String string3 = "camelCase";

    for (int i = string3.length(); string3.length() > 2; i -= 2)
    {
        string3 = string3.substring(0, i);
    }

    System.out.println(string3);
}
```

```
// ***** 6 *****
```

Output:

```
{
    String string3 = "camelCases";

    for (int i = string3.length(); string3.length() > 2; i -= 2)
    {
        string3 = string3.substring(0, i);
    }

    System.out.println(string3);
}
```

```
//***** 7 *****
```

Output:

```
{
    int count = 0;

    for (int i = 8; i >= 5; i--)
    {
        for (int j = 2; j <= 6; j++)
        {
            count++;
        }
    }

    System.out.println(count);
}
```

```
//***** 8 *****
```

Output:

```
{
    for (int i = 2; i < 6; i = i + 1)
    {
        for (int j = 10; j >= 9; j--)
        {
            System.out.print(i + " " + j + " ");
        }
    }
    System.out.println();
}
```