Pitfalls of loops

Infinite loop: One of the most common mistakes while implementing any sort of looping is that it may not ever exit, that is the loop runs for infinite time. This happens when the condition fails for some reason.

```java
//Java program to illustrate various pitfalls.

class GfG {

    public static void main(String[] args) {


        // infinite loop because condition is not apt

        // condition should have been i>0.

        for (int i = 5; i != 0; i -= 2) {

            System.out.println(i);

        }

        int x = 5;


        // infinite loop because update statement

        // is not provided.

        while (x == 5) {

            System.out.println("In the loop");

        }

    }
```

```
}
```

Another pitfall is that you might be adding something into you collection object through loop and you can run out of memory.