SWE 1 - **Standardleseschleife**

```
String line = readLine(); //readLine sets IODone
while (IODone) {
    // do something with line, e.g.:
    writeLn(line);
    line = readLine(); // readLine sets IODone
}
```
oder
```
int num = readInt();
while (num > 0) {
    // do something with num, e.g.:
    writeLn(num);
    num = readInt();
}
```

SWE 1 - **Wiederholte Programmausführung**

```
public static void main (String[] args) {
  char sel;
  writeLn("Again(y/n)? ");
  sel = read();
  while (IODone && sel != 'n') {
    readLn();    // skip rest of line
    // do what you have to do
    writeLn("Again(y/n)? ");
    sel = read();
  }
}
```

SWE 1 - **Terminierung von Schleifen**

```
1) j = 5;
   do {
     j = j – 1;
   } while (j != 0);
2) j = 5;
   do {
     j = j – 2;
   } while (j != 0);
3) j = 5;
   do {
     j = j – 2;
   } while (j >= 0);
4) j = -5;
   do {
     j = j / 2;
   } while (j != 0);
```

```
5) i = 1; j = 1;
   while (i != 100) {
     k = i;
     i = j + i;
     j = k;
   }
6) i = 1; j = 1;
   while (i < 100) {
     k = i;
     i = j + i;
     j = k;
   }
7) i = 1; j = 1;
   while (i < 100) {
     j = j + i;
   }
```