Loops

```
int i=0;

while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

```
int i=0;

while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

```
int i=0;

while (i < 5) {
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}
println(“Done”);
```

```
int i=0;

while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

```
int i=0;
        0
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

```
int i=0;
        0
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

```
int i=0;
          i
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

```
int i=0;
          i
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

```
int i=0;
          i
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

```
int i=0;
        2
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

```
int i=0;
        2
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

```
int i=0;
        0
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

2

```
int i=0;
        3
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

2

```
int i=0;
        3
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0

1

2

```
int i=0;
        3
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3

```
int i=0;
        4
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3

```
int i=0;
        4
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3

```
int i=0;
        4
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3
4

```
int i=0;
        5
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3
4

```
int i=0;
        5
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3
4

```
int i=0;
        5
while (i < 5) {
     println(i);
     i++;
}
println(“Done”);
```

Output:

```
0
1
2
3
4
```

```
int i=0;
        5
while (i < 5) {
      println(i);
      i++;
}
println(“Done”);
```

Output:

0
1
2
3
4
Done

```
int i=0;

while (i < 5) {
      println(i);
      // i++;
}
println(“Done”);
```

```
int i=0;

while (i < 5) {
    println(i);
    i++;
}
println(“Done”);
```

```
for (int i=0; i < 5; i++) {
    println(i);
}
println(“Done”);
```

```
int i=0;

while (i < 5) {
    println(i);
    i++;
}
println(“Done”);
```

```
                Start   End
                  |       |
for (int i=0; i < 5; i++) {
    println(i);
}
println(“Done”);
```

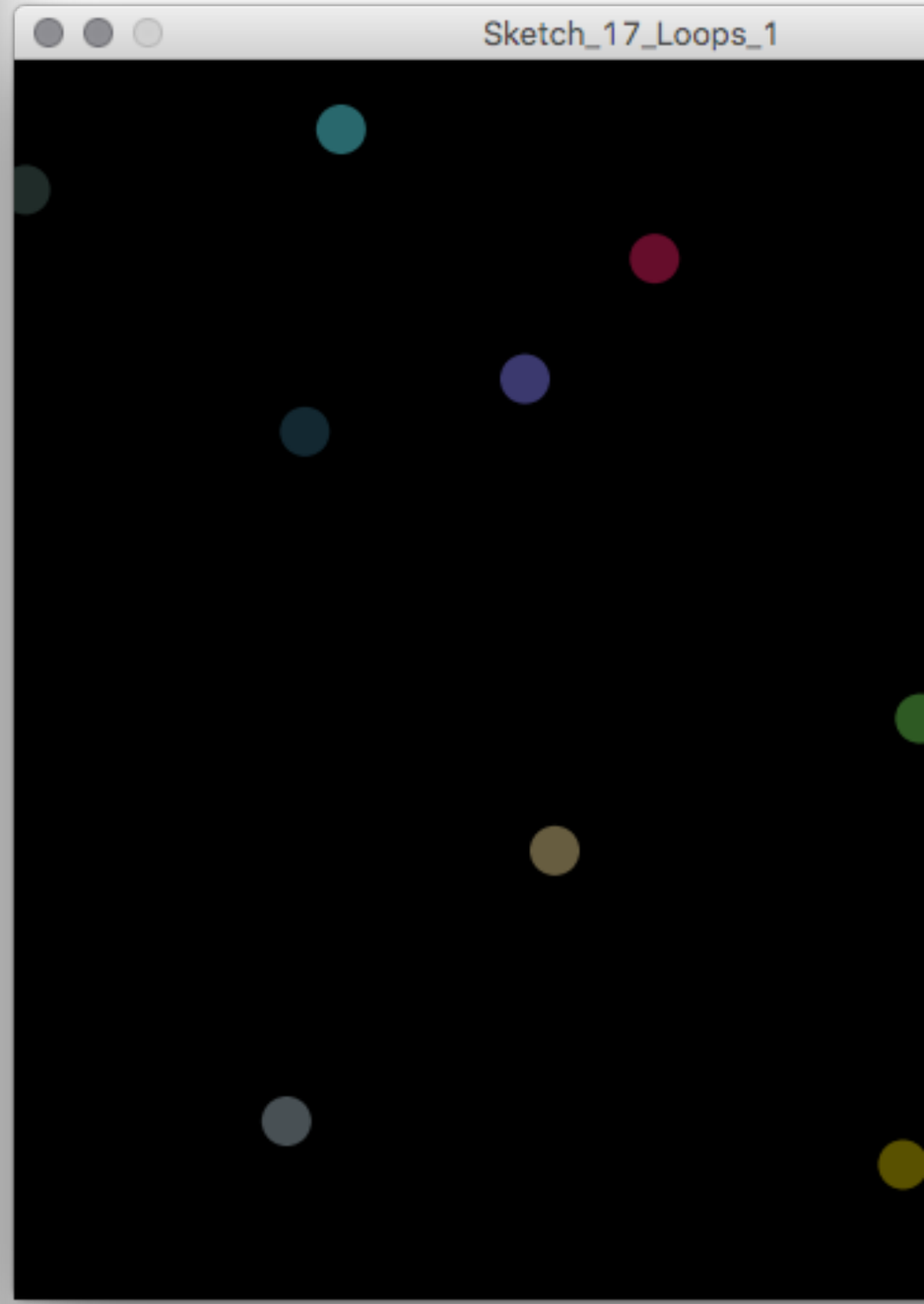
Sketch_17_Loops_1 | Processing 3.0.2

Java

Sketch_17_Loops_1

```
1  void setup() {
2    size(500, 500);
3    background(0);
4
5    // create a loop that executes 10 times
6    for (int i=0; i<10; i++) {
7
8      // each time the loop executes, draw an ellipse
9      noStroke();
10     fill(random(255), random(255), random(255), 120);
11     ellipse(random(width), random(height), 20, 20);
12   }
13 }
14
15
16
17
18
19
20
21
```

Console Errors



Sketch_17_Loops_1 | Processing 3.0.2

Java ▾

Sketch_17_Loops_1

```
1  void setup() {
2    size(500, 500);
3    background(0);
4
5    // create a loop that executes
6    for (int i=0; i<100; i++) {
7
8      // each time the loop execute
9      noStroke();
10     fill(random(255), random(255)
11     ellipse(random(width), rando
12   }
13 }
14
15
16
17
18
19
20
21
```

Console | Errors

Sketch_17_Loops_1 | Processing 3.0.2

Java ▾

Sketch_17_Loops_1

```
1  void setup() {
2    size(500, 500);
3    background(0);
4
5    // create a loop that executes 10 times
6    for (int i=0; i<1000; i++) {
7
8      // each time the loop executes, draw an ellipse
9      noStroke();
10     fill(random(255), random(255), random(255), 120);
11     ellipse(random(width), random(height), 20, 20);
12   }
13 }
14
15
16
17
18
19
20
21
```

Console | Errors