

# Loops

```
int i=0;
```

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

```
int i=0;
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while (i < 5) {  
    println(i);  
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}  
println("Done");
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int i=0;
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```
while (i < 5) {  
    println(i);  
    i++;  
}
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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;  
    1  
while (i < 5) {  
    println(i);  
    i++;  
}  
println("Done");
```

Output:

0



```
int i=0;  
    1  
while (i < 5) {  
    println(i);  
    i++;  
}  
println("Done");
```

Output:

0

```
int i=0;  
    1  
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");		

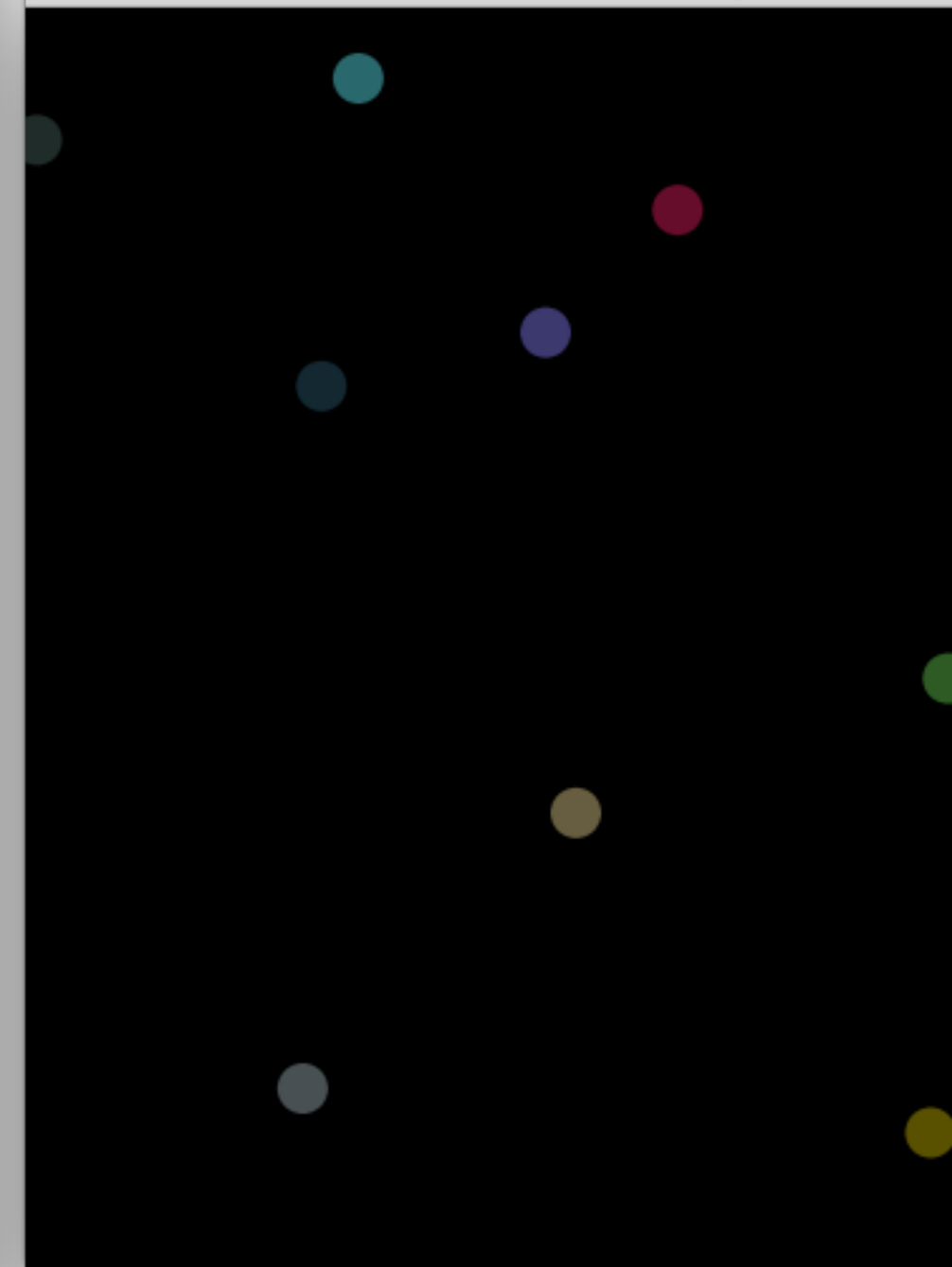


Java ▾

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 }
```

Sketch\_17\_Loops\_1



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 executes
9     noStroke();
10    fill(random(255), random(255), random(255));
11    ellipse(random(width), random(height), 20, 20);
12  }
13 }
```

▶ 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 }
```

▶ Console ▲ Errors