

for vs. while

- while loop is good when you don't know how many times to loop.
- If you know how many times to loop, a for loop is cleaner.
- A **while** loop has only the boolean test; it doesn't have a built-in initialisation or iteration expression, like the **for** loop.

```
for(int i = 0; i < 100; i++){  
    System.out.println(i);  
}  
  
System.out.println("done.");
```

```
int i = 0;  
while(i < 100){  
    System.out.println(i);  
    i++;  
}  
  
System.out.println("done.");
```

Exercise

- In pairs, think for a moment about how you would code a program that writes the multiplication table of a given number.