# Subroutines in myCNC

Subroutines in myCNC are done in a manner similar to other industrial CNC systems.

Sample code of a G-code program containing subroutines #100 and #101:

```
G90 G0 Z10  F500
#100=[10]
#101=[10]
G0 X#100 Y#101
M98 P101 L5
M2
O100
G0 X#100Y#101
G1Z0
G2 X#100 Y#101 I10
#100=[#100+40]
G0 Z10
M99
O101
M98 P100 L5
#100=[10]
#101=[#101+40]
M99
```

The resultant program will look the following way:
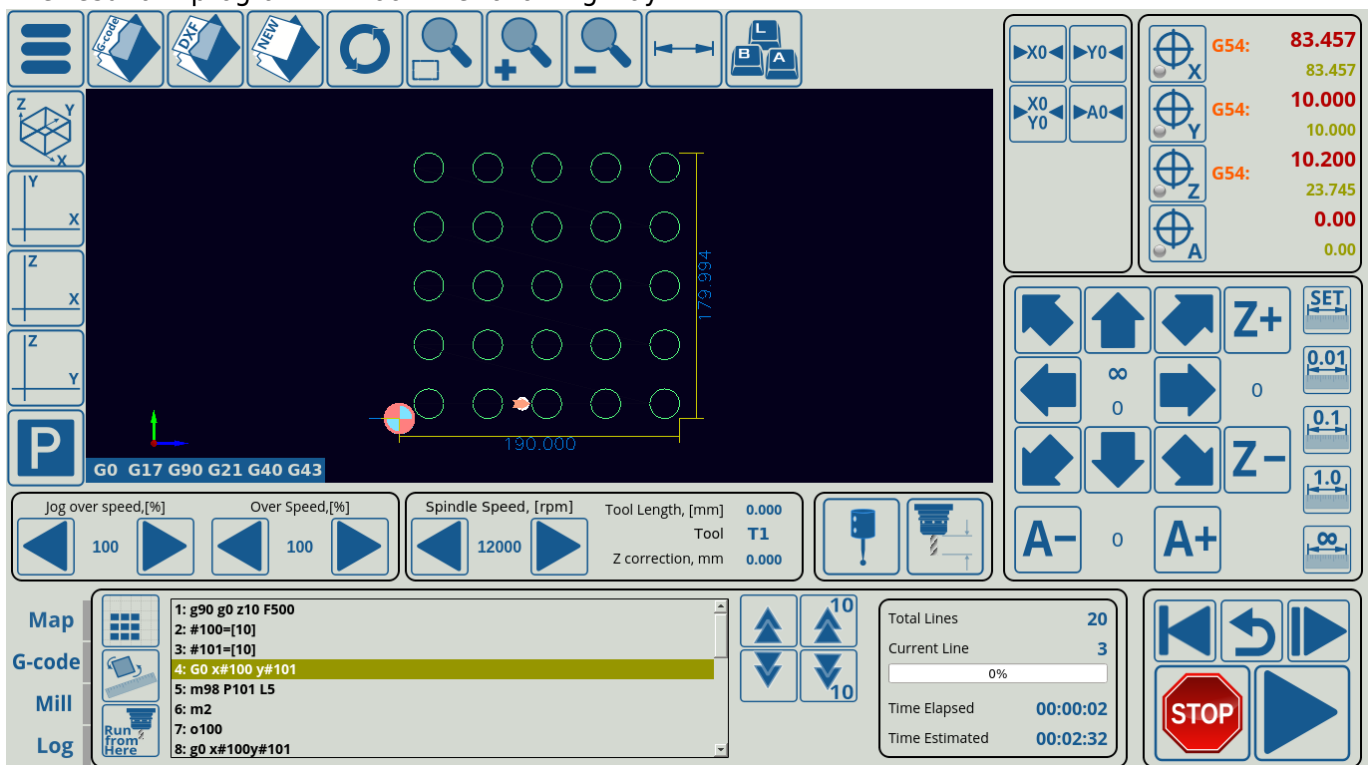
Subroutines are called using the following syntax:

```
M98 P[SUBROUTINE NUMBER] L[NUMBER OF REPETITIONS]
```

As can be seen in the code above, this takes the form of

```
M98 P100 L5
```

The M99 code is used inside the subroutine that is being called to indicate the end of that subroutine.

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