While Loop

A while loop is a structure within ROBOTC which allows a portion of code to be run over and over, as long as a certain condition remains true.

Below is the pseudocode outline of a while loop.

```plaintext
while(condition)
{
  // repeated.commands
}
```

(condition) Either true or false (see Reference > Boolean Logic).

Repeated commands Commands placed here will run over and over as long as the (condition) is true when the program checks at the beginning of each pass through the loop.

Below is an example of a program using an infinite While Loop.

```plaintext
task main()
{
bMotorReflected[port2]=1;
while(1 == 1)
{
  motor[port3]=127;
  motor[port2]=127;
}
}
```

The condition is true as long as 1 is equal to 1, which is always.

While the condition is true, both motors will receive full power.