

```
1: Initialize USB CDC
2: while 1 do
3:     Receive from USB and store in  $A$ 
4:     if  $A[0] == 1$  then
5:         Set  $A[1]$  as PWM out
6:     end if
7:     if  $A[0] == 2$  then
8:         Read Analog input and store in  $B$ 
9:         Send  $B$  to USB
10:    end if
11: end while
```