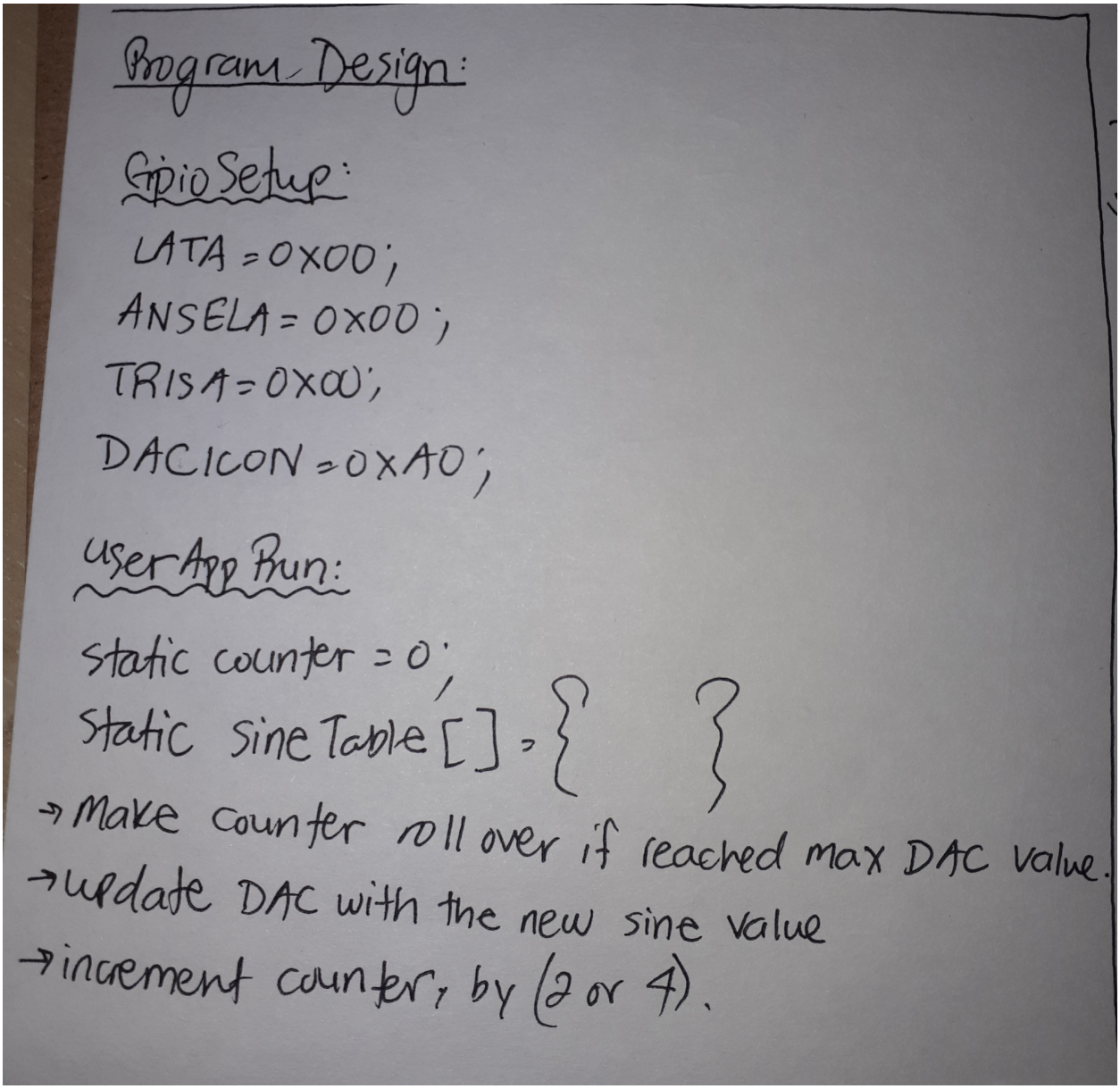

Program Design:

GpioSetup:

```
LATA = 0x00;
ANSELA = 0x00;
TRISA = 0x00;
DACICON = 0xA0;
```

UserAppRun:

```
static counter = 0;
Static sineTable[] = { }
```

→ Make counter roll over if reached max DAC value.
→ update DAC with the new sine value
→ increment counter, by (2 or 4).

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TRIANGLE WAVE:

SAWTOOTH WAVE:

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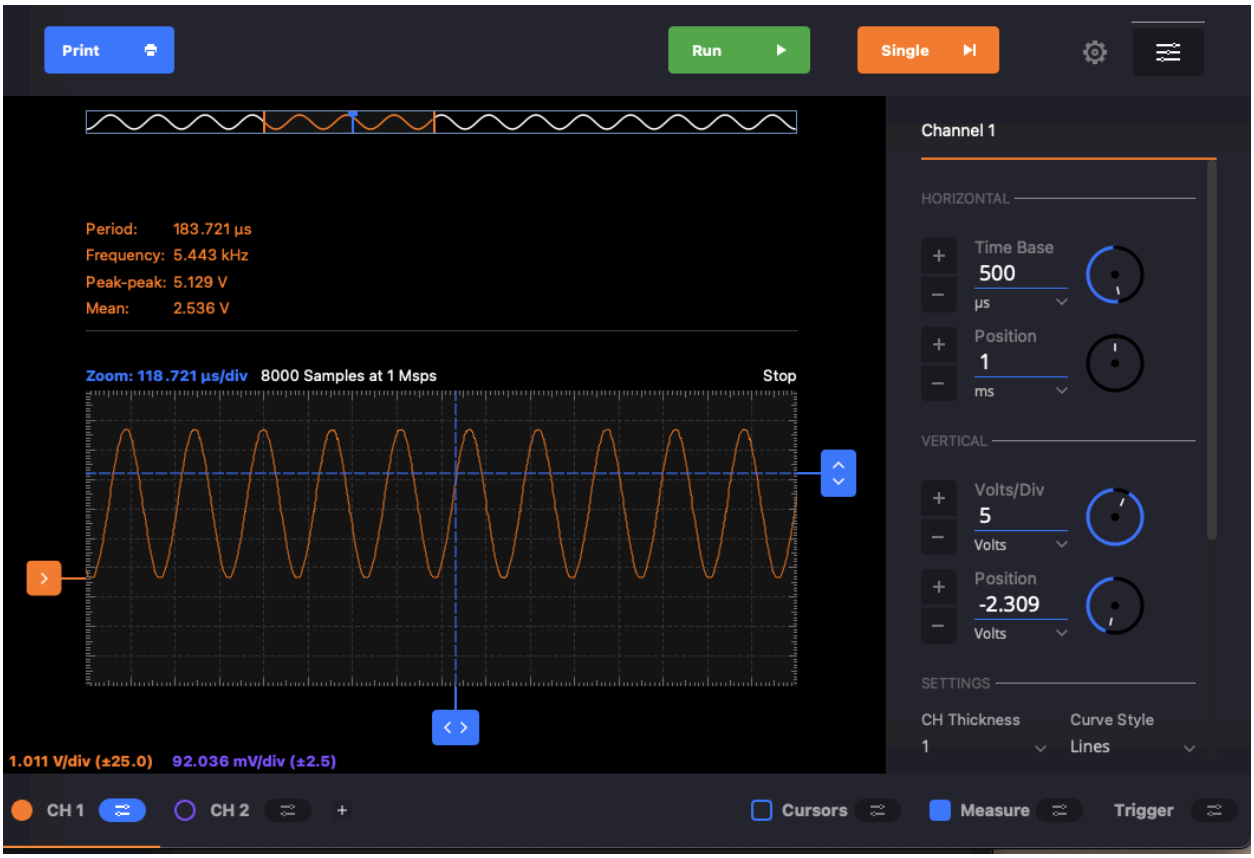
SINUSOIDAL WAVE:



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SINUSOIDAL WAVE with 1kHz: