```c
/*
  SD Minimal(1).side
  Create test.txt,
  Write 1's and 0's to SD memory.
  Read 1's and 0's to digital output.
  The Output is not Good.
  Two pulses spaced 250us apart with a period of 1.2ms
  Irregular pulses and very slow.
  Not Good.

  http://learn.parallax.com/propeller-c-simple-devices/sd-card-data
*/
#include"propeller.h"
#include"stdio.h"
#include"math.h"
#include"stdlib.h"
#include "simpletools.h"                 // Include simpletools header

int val[3000];
int i;

int DO = 22, CLK = 23, DI = 24, CS = 25;      // SD card pins on Propeller BOE

int main(void)                    // main function
{
  high(3);
  sd_mount(DO, CLK, DI, CS);              // Mount SD card

  for(i=1; i<3000+1; i+=2)
  {
    val[i]=1;
    val[i+1]-0;
  }

  FILE* fp = fopen("test.txt", "w");       // Open a file for writing

  print("Start Program.\n");
  for(i=1;i<3000+1;i++)
  {
    fwrite(&val[i], sizeof(val[i]),1,fp);
  }
  fclose(fp);

  fp = fopen("test.txt", "r");
  for(i=1;i<3000+1;i++)
  {
    fread(&val[i],4,1,fp);
    if(val[i]==1)
    {
```

```
      high(2);
    }
    else
    {
      low(2);
    }
  }
  fclose(fp);
  print("End Program.\n");
}
```