```
readInput()
  buffer += serial.read()
// Read Input, put in buffer

  if(input = \n):
    End
    Buffer = empty


Malloc( *file
  file.getSize();
// alloc file, size


 Freespace( )
// get all begin & end ints
// calculate differences
// sort by amount
// return highest


DeAlloc( file
// get startpos file, size file
// Free


  deAlloc(sizeof(*file))


RetreiveFile(* file
// Get file in FAT
// Return startpos or -1


writeToEeprom (*Data)
  Eeprom.write();
  if(success)
    return 1;
  else:
    return -1;


Push To Stack(file)
// push to stack

Pop From Stack( )
// pop first from stack

Schedule()
// Switch between tasks
```

```
static buffer = [12];

Struct process = {
    int id;
    Status status;
    *stackPtr;
    int programCounter;
    * filePtr;
    int addressBegin;
  }


Struct commands = {
    int id;
  String name;
  stub stub;
  }


static struct [] FAT {
  String name;
    int startPos;
    int size;
    * filePtr;
  }

Struct Freespace {
    int startPos;
    int bytesAmount;
```