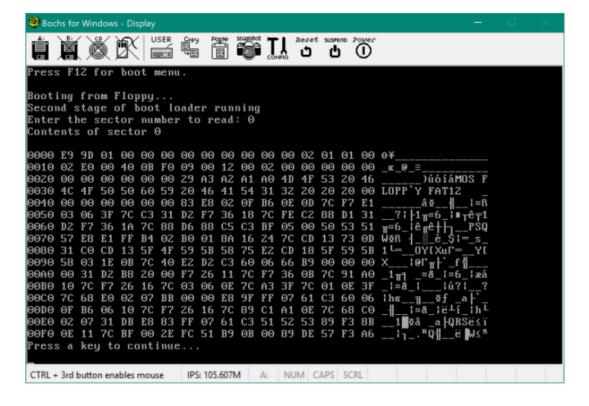
The project will do the following:

Ask the user to enter the number of the sector they want to read. The is what it should look like

```
😽 Bochs for Windows - Display
                   USER
                       ტ ტ
lex86/Bochs UGABios (PCI) current-cvs 08 Jul 2014
This UGA/UBE Bios is released under the GMU LGPL
 lease visit :
   http://bochs.sourceforge.net
   http://www.nongnu.org/vgabios
Bochs UBE Display Adapter enabled
Bochs BIOS - build: 02/16/17
$Revision: 13073 $ $Date: 2017-02-16 22:43:52 +0100 (Do, 16. Feb 2017) $
Options: apmbios pcibios pnpbios eltorito rombios32
ress F12 for boot menu.
Booting from Floppy...
Second stage of boot loader running
Enter the sector number to read:
                       IPS: 105.346M A: NUM CAPS SCRL
CTRL + 3rd button enables mouse
```

- User should be able to enter in a sector number and then the code should display the contents of that sector, ideally in both hexadecimal and characters. Each line should begin with the offset into the sector that the line starts at (displayed as a 4-digit hex number). For example, the display should look like the following:



- A sector contains 512 bytes, so displaying all of the sector at a time at 16 bytes per line will scroll off the screen. A complete solution should display a smaller number of lines (say 16) and then pause until the user presses a key.
- Once a sector has been displayed, a complete solution should ask the user for another sector number to display.
- An enhancement would be to ask the user to enter how many sectors they wish to display, as well as the starting sector number and display the contents of all of those sectors.
- A further enhancement would be to enable the user to enter a sequence of bytes to search for in the specified sectors and highlight that sequence if found.