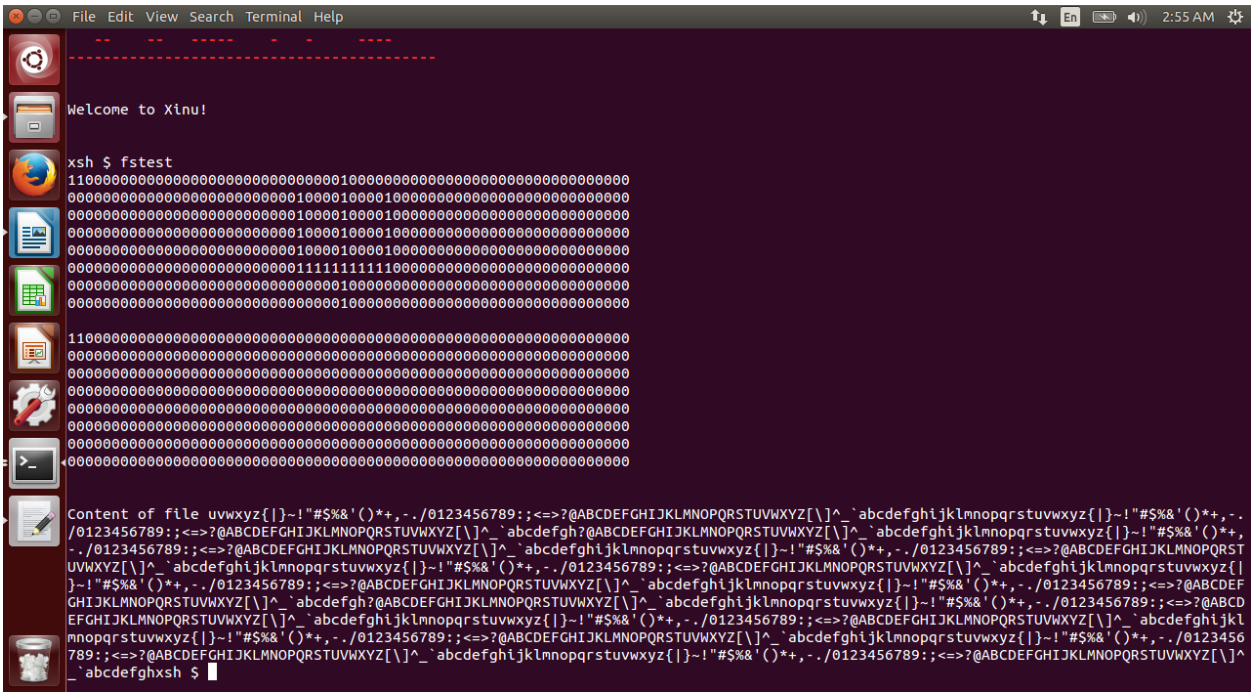
Report on File System Assignment (extra credit):

1. Program features an in-memory filesystem with basic functions such as fs_read and fs_write which are used to read and write into the file(s) newly created using the fs_create function.

2. Output of the program:

The output of the program is as follows:



The IU logo is printed on the screen along with the buffer contents read from the file just written into.

3.

Functions used:

Shree:

```
int fs_seek(int fd, int offset);
int fs_read(int fd, void *buf, int nbytes);
int fs_write(int fd, void *buf, int nbytes);
int get_next_block();
int get_block(int c_inode_indx, int num_d_blk);
```

Saurabh:

```
int fs_create(char *filename, int mode);
int fs_open(char *filename, int flags);
int fs_close(int fd);
int get_inode(char *f_name);
```

Discussed with **Pruthvi Shetty (shettypr)** about the implementation strategy.