## **16.216: ECE Application Programming**Spring 2013

Lecture 26: Key Questions April 8, 2013

1. Describe the functions used for character I/O.

2. Describe the functions used for line I/O.

3. Describe the standard I/O streams and explain how the file I/O functions can be used to write to these locations.

4. **Example:** Show the output of each of the following short program.

23 4 5

```
a. Input: Test Input 1
void main() {
  char c;
  char buffer[50];
  int i, n;
  i = 0;
  while ((c = fgetc(stdin)) != '\n') {
     if (c != ' ') {
          buffer[i++] = c;
     }
  }
  buffer[i] = ' \setminus 0';
  fputs(buffer, stdout);
}
```

```
b. Input:
Test1
Test 2
abcdefghijklmnopqrstuvwxyz
This is a test of the fgets() function

void main() {
   char str[25];
   int i;
   for (i = 0; i < 5; i++) {
      fgets(str, 24, stdin);
      strcat(str, "\n");
      fputs(str, stdout);
   }
}</pre>
```