

# **16.216: ECE Application Programming**

Fall 2015

## Lecture 8: Key Questions

September 21, 2015

1. Discuss how to use `if` statements to check that a value falls within a desired range.

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5. **Example:** Given the code below:

```
int main() {
    char grd;

    printf("Enter Letter Grade: ");
    scanf("%c", &grd);
    printf("You are ");

    switch (grd) {
    case 'A' :
        printf("excellent\n");
        break;
    case 'B' :
        printf("good\n");
        break;
    case 'C' :
        printf("average\n");
        break;
    case 'D' :
        printf("poor\n");
        break;
    case 'F' :
        printf("failing\n");
        break;
    default :
        printf("incapable of reading directions\n");
        break;
    }
    return 0;
}
```

What does the program print if the user inputs:

- a. A
  - b. B+
  - c. c
  - d. X
6. How could we easily change each case to recognize both upper and lowercase inputs?