CS 312
Scanners and Conditionals

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Accepting input with a Scanner

1. Instantiate a new Scanner object
   Scanner sc = new Scanner(System.in);
   sc is the variable name; this can be **any valid variable name**
   System.in is a special input stream that Scanner can use
2. Use sc.nextInt() to grab the next integer typed in
   Assign it to a variable
   int inputNum = sc.nextInt();
3. Do whatever you want!

Scanner questions

- How do I get an integer from user input?
- ...a double?
- ...a String?

Conditional program execution with if statements

- Depending on whether conditions you set are true or false, do certain things
-
```
if (<condition>) {
    <statement>;
    <statement>;
    // ...
} else if (<another condition>) {
    <statement>;
    // ...
} else {
    <statement>;
    // ...
}
```

If statement questions

- Make a static method to calculate the letter grade of a student based on a 100 point scale (pretend we are at the inferior A&M where we don't have plus-minus)
- Then modify this method so it takes custom cutoffs for an A, B, C, and D
- For simplicity, assume all grades are integers