

Please pass homeworks to
the left (your right) end of all
rows.



Introduction to Computer Engineering

CS/ECE 252, Fall 2015
Computer Sciences Department
University of Wisconsin – Madison

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System

Programming Language

ISA

Computer

Microarchitecture

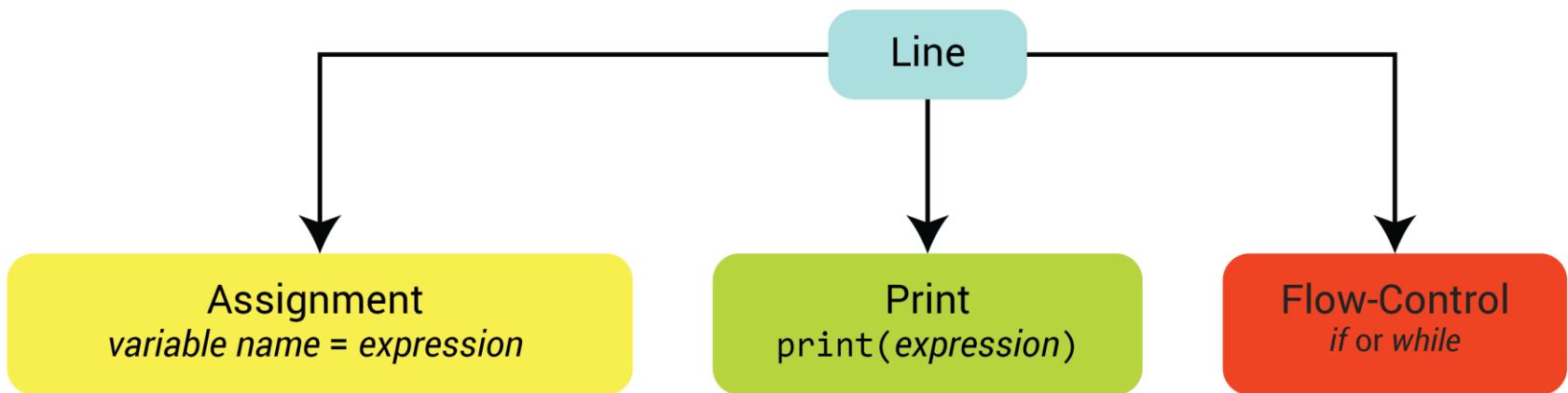
Logic Gates

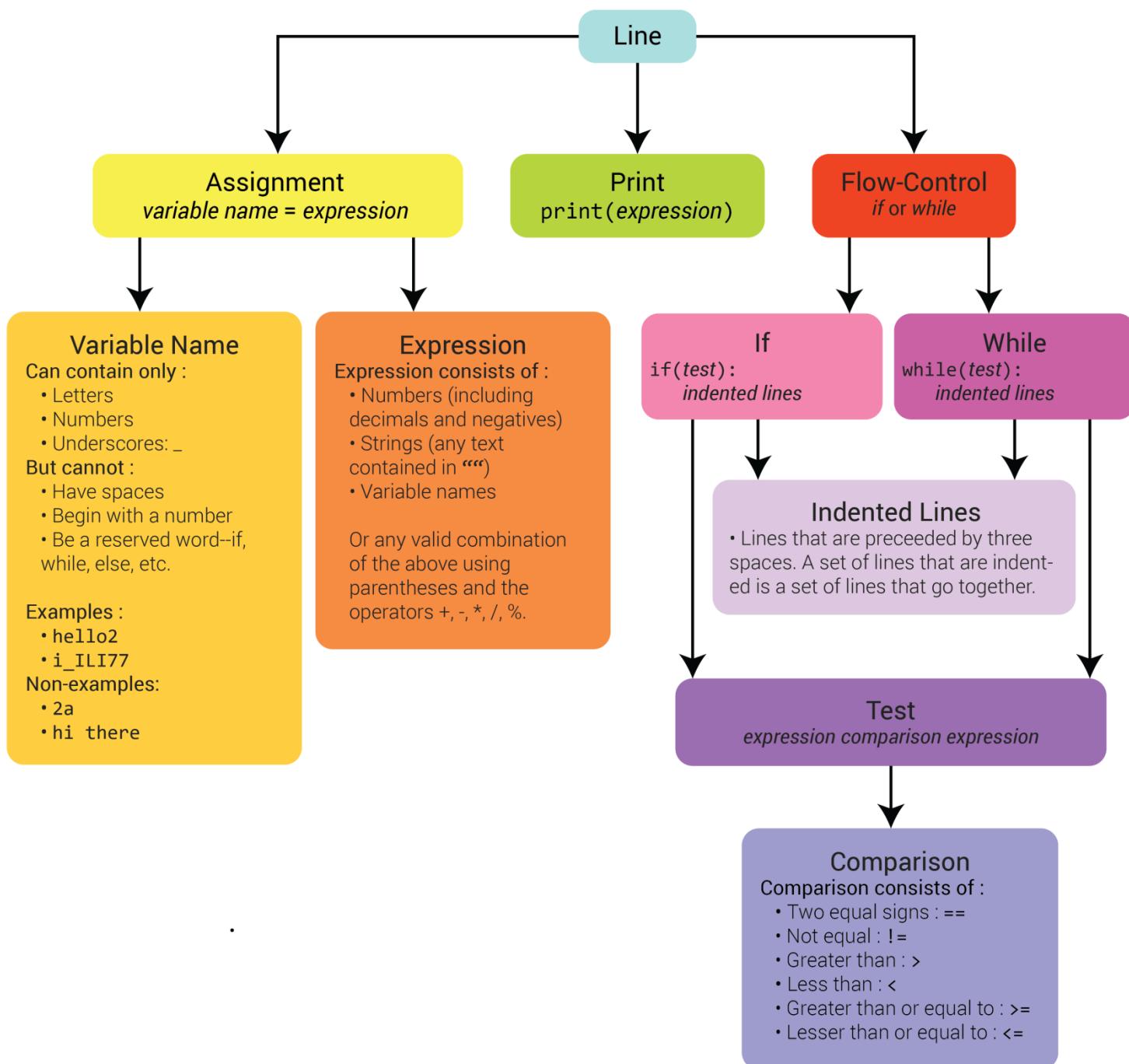
Transistors

Terms & Definitions

- What is programming, high level language, compiler, running a program
- Algorithm – what is it?
 - Edge cases
 - Scalability

Lets write some programs!





Next Class & Announcements

- HW-1 is due
- Read up through 2.4.1

You can nest if-statements (or other branching statements) however deep
You can also make your conditions more complex statements ex. ($n < 210$
 $y+x))$

Another branching statement WHILE
while($x < 4$):

```
# repeatedly execute the block of code until it is no longer true
print("less than four")
x = x + 1 # increment x so you're not stuck in this block forever
```

arrays!

```
l = [1, 20, 30, 40, 50] # create an array
for i in l: # for every element in l
    print(i) # print the element
```