

9 Control Flow - Assignment

Thursday, October 15, 2020

Combination Assignment Operators

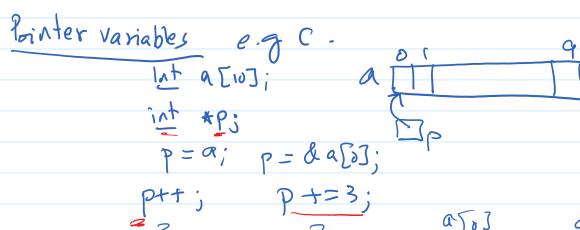
+=, -=, *=, /=, %= C, C++, Java, Python, Go

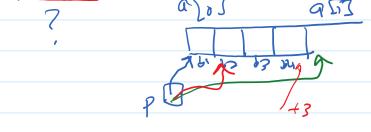
Pre/post increment/decrement operators

C, C++, Java [Not Python]

$$++i$$
, $i++$ = $i=i+1$

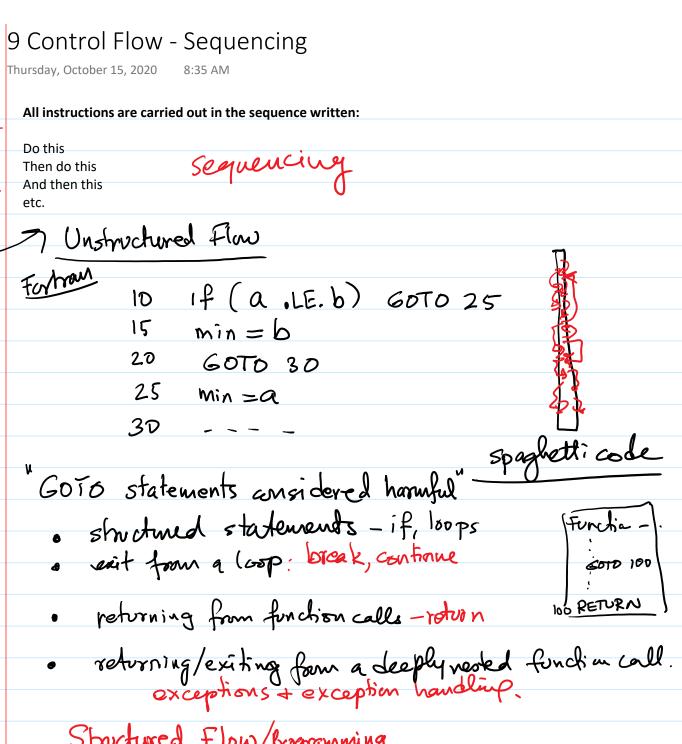
$$0 = b + ++i$$
;
$$a = b + i++i$$





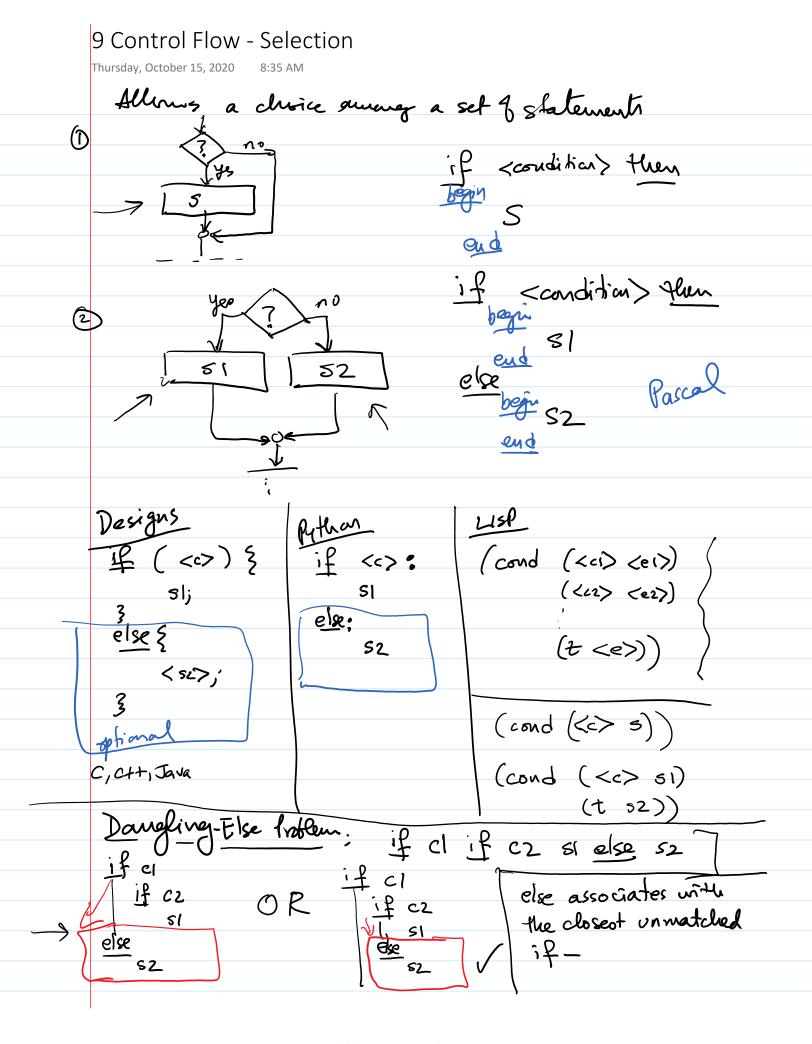
vast, varz, --- = el, ez, -.. x, y = y, xfound, index = search (a, item) multiple values

Variable initializations: Read intent. | Zero-intralizations



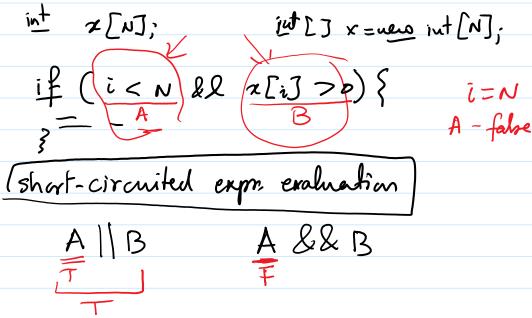
Structured Flow/frogramming
Essentials of Structural Control Flow

- · sequencing + functions
- · iteration > + Abstractions



9 Control Flow - Selection

Thursday, October 15, 2020 8:35 A



Moulti-way Selection

```
if month == 2:
    if leapYear(year):
        days = 29
    else:
        days = 28
elif month == 1 or month == 3 or month == 5
        or month == 7 or month == 8 or month == 10 or month == 12:
    days = 31
elif month in [4, 6, 9, 11]:
    days = 30
else:
    // ERROR...
```

Switch/case

9 Control Flow - Multi-way Selection

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C/CH/Java

surtch (month) &

case 2: = 3 break;

care 10: dage = 31; by eak;

Care 6:

cue 11: days = 30; breaki

default: // ERMON_____

When 2/5/7/8/0/12 => days:=31;

Wey 4/6/9/11-> days = 30;

When others >___

end case;