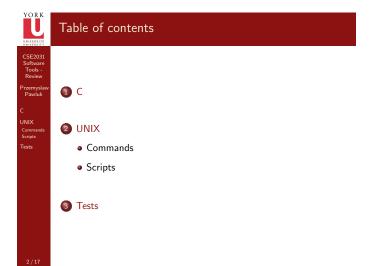


Notes		



July 26, 2010





# Definitions and declarations

Space allocated by definition

- char\* x = "lion"
- char\* y[] = {"lion", "cat"}
- char\* z[10]={"lion", "cat"}

How-To

- Declare pointer to ...
- Read declarations to get a type or value

Notes			



# Modifiers

CSE2031 Software Tools -Review

Przemysl.

UNIX Command Scripts Tests

- static
- extern

5/17

# Notes



# Recursion

Software Tools - Review Przemyslaw 1 Pawluk 2 C 3 UNIX 4 Commands Scripts 5 Tests 6 7

```
What will be printed?

int rec(int x){
    static int c=10;
    c--;
    if(x<c)
        rec(x+1);
    else
        return c;
}

int main(){
    int x=1;</pre>
```

otes	



# Pointers, Pointers, Pointers

 $printf("\%d \n", rec(x));$ 

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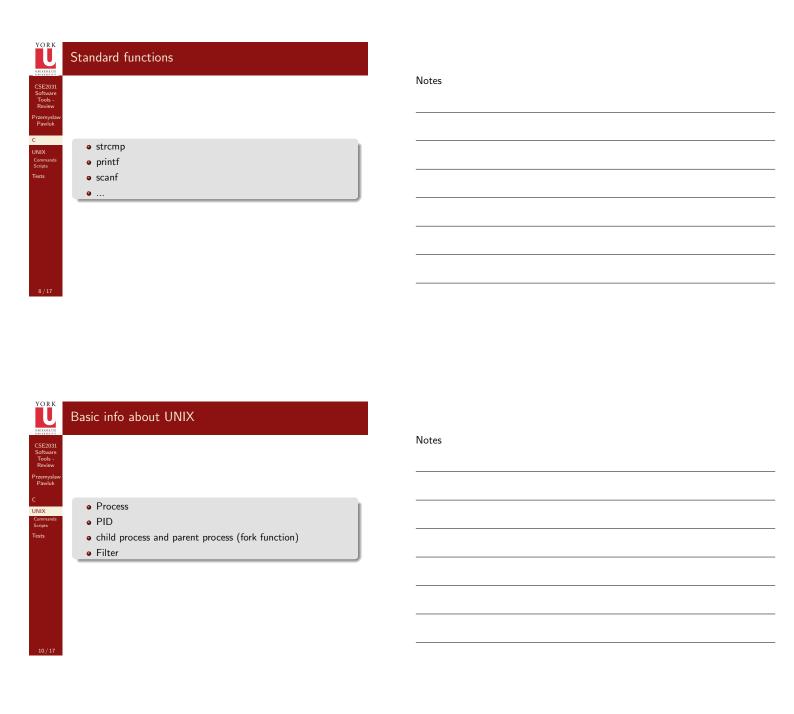
Review Przemysla Pawluk

UNIX Command

### Declarations

- Simple pointers (char\*, int\*
- Pointers to structures and arrays (char\* x[][], struct x y\*)
- Pointers to pointers to ...

Notes			





# Special characters and variables

hom

- root
- curre
- pare
- PAT
- /dev

	Notes
ne e	
ent dir	
nt dir	
'H	
v/null	



# UNIX commands

Other

Is

• grep !!! • cut !!! • wc

• more less

• ср

• mv

Notes

Notes

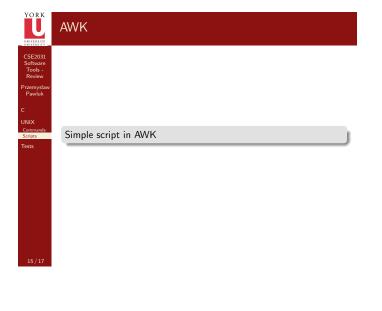
### **Pipes**

Combine different commands to achieve a goal. For example find all files in your home directory that starts with 'A' and ends with '.' followed by three lower-case letters. Or count such files

### Regular expressions

- any string that starts with any char other than lower-case letter
- any string that starts with 'X' and ends with two numbers
- $\bullet$  any string that contains three consecutive numbers or exactly one '/'

Notes			



Notes			



# Basic information about testing

•	glass-box test
•	black-box test

- code coverage
- assertions

Notes			

Notes