CS 161
Intro to CS I

Finish Command-Line Arguments

Odds and Ends

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- Last day to demo Assignment 5
- Make sure grades are accurate on Canvas
- Final Exam: Thursday (3/21) in WNGR 151
  - Section 001, 12-1pm
  - Section 002, 1-2pm
  - If you don't take final, then I'll average Exam 1 & 2

Questions

- Assignment 6 Questions
- CS 162 Questions
- Ask Me Anything

you can use late days

no visualization
don't demo –

time of simulation – TOS

10 s

time intervals – TI

10

detat = TOS / TI

2d

Δx + Δy

same

$u_{x,y}$

u_x^t

$u_{i,j}^t$

is_float(argv[i+1])

C style string

1 _ 1

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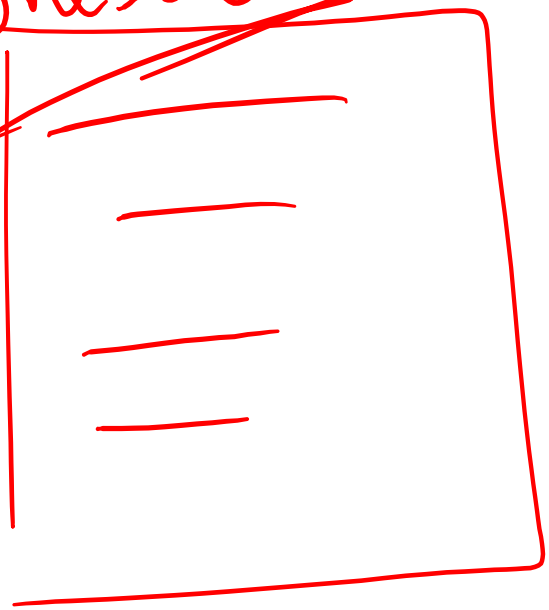
```
bool is_float(char *s)
    for an my characters
    (i=0; i<strlen(s); i++)
    if(s[i] is not a digit or '.')
        return false;
```

```
struct heat_diff {
    float K;
    float c;
    float r;
    int time_int;
    float time_sim;
};

int main()
{
    struct heat_diff one_d;
```

type

one_d



How does freeing memory work?

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```
int *r[5], **s;

for(int i=0; i < 5; i++)
   r[i]=new int;
for(int i=0; i < 5; i++)
   delete r[i];

for(int i=0; i < 5; i++)
   r[i]=new int[5];
for(int i=0; i < 5; i++)
   delete [] r[i];


s=new int*[5];
for(int i=0; i < 5; i++)
   s[i]=new int[5];
for(int i=0; i < 5; i++)
   delete [] s[i];
delete [] s;
```