CPSC 256

- 1) Why programming?
- @ Why C?
- 3 Why C#?
- 19 Next Steps

D Why programming?

-> Life is about solving problems:

programming should be an

programming should be an

anjoy able and creative way to

learn how to solve problems.

- bland of art

- and Science. It helps develope and Science. It helps develope both sides of our brain, and helps enhance cross-newd pathwap in the brain.
- organizational states. Programio enhances one's ability to this loginally and apprendically through a southern.
- programming densit dways reveds

 programming densit dways reveds

 row things that you did not

 anticipate before had | One

 attains a deeper burledge of the

This last one, for me, or the most interesting!

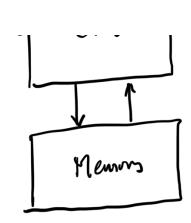
2 Why C?

How do computers actually do anything? In fact, They are very simple beasts.

- O Storage.
- @ Input
- 3 Output
- B Processing

C.Pu Detpet

In put



- -> The CPU takes input, haves things and on registers (special many locations) and produces out put.
- -> Programs -> sets if instructions

 that tell town to create an output.

 from a given set of inputs.

Add two numbers.

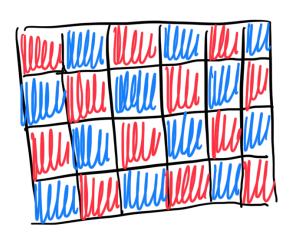
get Input (a)

get Input (b)

C = a + b

put Output (c)

Let's Make & Quilt



6 x 4 pattern 101 + blue. rel in oppen let

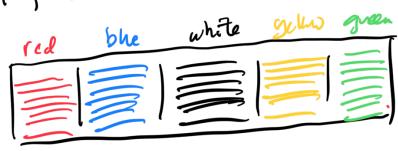
import quittraker

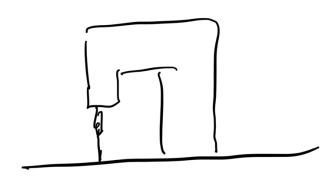
quittrake (6,4, 'red', 'ble', 'red')

What happened, or Programming in C!

1) Start guilt ma Ding Gressiess.

- D's Buy rachs 10 s.... different colors.
- 3 Buy sewing madrine.
- O Go to fabric stone and by Swatcher It different colors, in bulk, and stone in now rachs.



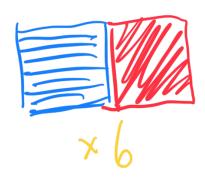


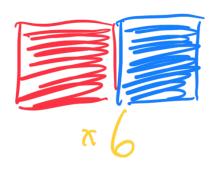
- B Receive order

 5 (6 x 4, 'red', 'blue', 'red')
 - a) alchlote total squaes 6 x 4 = 24

by divide by
$$\frac{24}{2} = 12$$

divide by 2 again.
$$\frac{12}{2} = 6$$



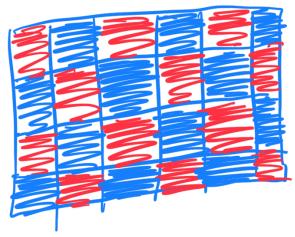


e) Assemble Mos.





f) Asseuble Quilt.



g) Ship to Custoner, have beer!



- Memod to calculate # of 'restangles'
- method to sow together a restance-object.
- hernol to assemble restrugles into guilt. (flip or not?)

3 Wy C#?

Pyrn is, basially, a "wrapper" tor matploblib pomdas So is C# !! The advatage of C++ is that it is forwales compatible with C. All Coorle is CH compatible. So, Clibranies Why is it alled Ct. ? Object oriented appoint ANSI standard O Photoshop @ Snotify

(3) Youtube 9 Amazon. com D Windows DS Lane MecOs and Linux, too) @ Ms Office (along with Jam & Pyttern) B My SQL

Oller
Ctr lers - Russian Comean
Comean
Compiler

