forme Physics-> [STAThud]? (Tome loops -> Track time Text Bosed gome Domping Library is Engine, Render () Variable/fluid time sign · Interfoces I mput detection Deservaristic gomes · Monogame? Do oction (-DNT Residual log p= lipere 4 4 UP 4. OP. UP UP WORRY AROUT RENDERINTY Render Render Render Render Render Della Lime: time Chalebored blueen herious and Current frame Ex: 60 Fps: 0.0166... Thoma 60f. makes the forms tromerate independent Reference the SFML To four IDE? Stone strings in on Array Check if File exists Ls How to do so? · Trock The players, lost state Load/Cride File Hondle Ele and directory Path Gertan with given input W1: Find & Jost Name Q2: Holdies END & bove file

Adding the option where forometers can be nulled "B" means a verbation String. It ignores the except chorocters in a string How Con I red the time elopsod Inside of my loop? Some Kinder updating the gameloop, clean Code Would be nice If I wont a Stopworth \* Use of Enums, Distionaries \* Asynchronous Programming & await D'Undersond delogs in the loop Void Movin () ¿ (come gome = new (come ()); Jonne Introduction (); 1/Maybe Jamo Display (); While (! Tome. Finished())

¿ Tome. Step(); *3* 

sets Dort using more Closses interfoces, Files Jemain Give a lost try to play audio Specific Modeling 5 if it works, maybe moveinto moking, Jos 00 Procedural programming: on Making calls to functions/ routines 1 Aubrouting
Lis Prunking functions in a Smaller ones

Agile

Significant

Li CPP Unity Player ILACPP Fromework Vectors vs. Templotes vs. Interfoces · Create a linear electra Charleton? Mayte it will come in handly to want doing Flappy Bird?

Vector has a knownitude and direction

Dot Product: Result sector vector \* iross Product: Vector Product

To Product: Result sector vector \* iross Product: Vector Product \* Vectors con also be port of force, occaleration, and velocity Jubshacting: 1. Reverse the direction of the vector without to substant \* Magnitude Vectors = IVI OR IVII To Calculate I, use Prythogoro's Theorem  $[c^2 = a^2 + b^2]$ ex: b=(6,8) 16 = 162+82 A=(813) AT - 136+69 = 1100 B = (26,7) C = (34,7) B =A vitor with mognitus

## I. Mostercloss: Neil Degrasse Lyson

- Not by what you know but in what you think is thow is I wind to ask question in what is True
- · Teaching the Looks and instruments that enables from ignorance -> understanding -> objective truth
- · After this, I wont to think of how empowered because of what I figured out

## II Frontier of Science

- "What is the one question you want to before I die?"
- "As the onea of our knowlege grows, so how does the perimeter of our ignorance"
  - a) Hypothesis vs. Theory (check the Notebook)

III. The Scientife Method

· Do whatever it take to prove 4 Ald of experimenting

"Noture is the ultimate Judge, Juny, and executioner. You con orgue all what you want, but it nature doesn't agree then You are Wong".

uronus with Newton's Low a) The Search of Truth · Planetary motion on

- · Mercury and Vulcon
- · General Theory of Relatibility
- · Plane X, Lowell observatory 1930 -> Philo
- · one result is not the only amor

IV. Be a Sheptic - Ask awstions

· Crystal Energy example is where is I from Lo who energy L) on what ailment hos; I been tested? Show me The bests is what one thing made of ISIs Thre a ..

· Specha -> Sight from Stors? (Plurol)

· followed information to avoid "foke information" a) Shepticism: The path of Inquiry to Whalis True

· Shepticism is soying might not be here Not a rejection a good Testimony is provided with victince, not by mouth and collist a day

Person was shaplic of the Moon landing and believer it is type Instead, Neil asked him/her " tow much fuel did the Solumn V hald!" and Con Provide a Calculation for it.

In order for the person to believe it, it must come from an "authority", which is not the right way because there was not evidence in the Process and doesn't hald "Truth"

Ls Photographs of the Mooir bonding Site

b) How True is objectively True?

Research results con be a breeze

Sepected, different ele.

Is the uncertainty drops by refeding the experiment

I. Cognilive Bios Think That one True but are not

Reifine () vs Write fine (): 1/ Cond);
write Line () => Con

Road ind) => Cin Horing enum to work as an integer imput? Convert drings into integers or other frimitive daty fe Crede a list that sort rondom generated numbers -> Also, Crede a Pain Amoy! > Dynomically => List(T) Lo Coll the fist once and frim it (or return it)

Fortoge Clocker to award memory leader.

Lo G. (bland) Lo Display Memory () method [o] Control Flow: which function gos lot to betom Cet 20 Modia Lopin [ 20 (Jet 30 Maling Palian) when Jagged Amors mostly used 30 123456 bs fixed links [2] 8 9 NO 11 12 & O: [ "Apple", "Pen"], 1. [ Jam ", PB, heam Charse "]. 2: [ Bogli Willia, Kack ] [1,0,2]:9 Count() => Size of the list Remove() Delete or operation hist

Web development closs Udemy Inversio: Pass Auth., Data Encryption, Form Volid blogs What Vaffons behind the scene of the internet: · Transmission of data Packets 4) Dala Rocket hon: · Header - Serders -Receivers Podol Packet A (?) · Paylood - Daia · Troiler (?) - Dala to show and facket \* Error Connection · Bandwilling measured by bihale · Perfocal is a well subdished rules between machine. Examples one: - TCP/IP Produl > Tronomission of dain packets - HTTP/HTTPS -> Communication between web browner and web song - SMTP -FTP The domains are transfited to It into their DNS HTTPS > HTTP Wmy! · SSL low becaused by hosting a . better socurity · Encrypted According wifede from ? Ged He Vendor

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loss for Projection	
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	John Project
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+ Grede a verior 30 bosed from the Vector 20	100.00
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-	[ C 1 0   FY ]
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