1. Top 10 programing languages
   1. Pythons
   2. Java
   3. C++
   4. C
   5. C#
   6. R (Statistics use)
   7. ML
      1. Function Language
      2. (Haskell Newer)
      3. Function
         1. Recoil or Reverse a list structure
            1. List [a,b,c]🡪[c,b,a]

*Fun Reverse(nil)=nil*

*| Reverse(x::xs)*

*=reverse(xs)@[x]*

* + 1. Uses recursion
  1. Prolog
     1. Logic programming
     2. F# newer version of it
     3. AI language
     4. Provide a knowledge base of facts
     5. Ex: These are called Facts

*likes(joe,fish)*

*Likes(joe, mary)*

*Likes(mary, books)*

*Likes(john, books)*

Queries ask based on your knowledge base

Prompt

*P likes(joe, money)*

Replies: No

3) *p likes(X, fish)*

*X=Joe*

*P likes(Y,books)*

*Y=mary ;* 🡨 Semi colon tells the machine to look for multiple replies

*Y=john*

1. Math Function F: (Domain) Input parameters🡪 (Range) Output parameters
2. Compiler vs Interpreter
   1. Interpreter is gernarlly slower due to parsing
   2. Compiler creates object code then executes the entire program
3. Operating System Overview
   1. Process Scheduling
   2. Memory management
   3. Page Replacement