

## Session 1 notes

- Programming Paradigms : which passed throw 3 phases
  - 1- Linear/Sequential : which was one structure and had a lot of issues
  - 2-Structure : was better than linear but had global variable problem
  - 3-OOP : which is the best paradigm to use in programming
- Before .net there was Visual C++ ,Visual Basic and Delphi
- Every programming language have a compiler to translate it into native code which the machine understand
- .net Consists of 2 Components :
  - 1- Base Class Library(BCL) of Technology
  - 2- Common Language Runtime (CLR)
- Roslyn which is the c# compiler concert the code into a assembly file which is platform independent then jit (just in time ) which is small compiler then conert that file into native file
- .net core is (.net + mono project) solved cross platform problem that was in .net which supported windows only
- Solution is a concept in visual studio which is a folder that contains many projects on different platforms

