Final Exam & covering Chapter 7-14

Expuesions Operator

Overloaded Operator does more than one thing.

Readability issues which further cause reliability issues.

Type conversions - Limits the baind of data that can be stored.

Taking the values and thanging it to a different type.

Widening or Naurowing Types

Assignment Statement - Binding a value to a variable. Short - circuit Evaluation - Abready know the outcome

Selection Statement — Two way and Multiway Statement

Iterative Statement - Execute statement multiple times.

hogic-Controlled loop (Do-While)

Lounter-Lontrolled loop (For Loop) - Max number of iterations

Use sounter-sontealled loop

What's unwonclitional Branching? — Goto Stevement

Unuonditional Statements — Try to reduce in structured programming

We use loops in structured programming / Branching statements &

Subprograms

We try to drastically reduce the use of got statement.

We have subprograms - Process set of instructions multiple time from different locations. Put Activation Stack on the top. Nesting our Subprograms - Preturn the call to the original program Pass any panameters, Pass the neturn address to the called, Transfer conterol to the called Save execution Local Nariable Pauameters Stack Dynamic Link Top Kelun Address Yata Abstraction Name / Puotocol/Anything to be passed must be known perior. Jides the hidden complexity in bucces Abstraction.
Abstract Types build unique datatype which mean something to our originization. Example of Abstract type - Include Files (Meaders) Object Oriented Abstract Type Inheritance t must support to be our Holymouphism Inheritance Makes code reliable.

Makes code lellable. Changes are to be made in one class and Mey are inherited.