Struct: a group of named vars (in diff type)
Eg
Struct Stu &
String name
int age
- ~
ζ
Stu a;
a. name = ; cr.age = ;
Abbreviated notion
S+u a = 2 str, int3 -> original order
easier
4
Pairs: with 2 fields -> first & second
-> use for return success + result.
if ( pair-first == true)
else
Tuple: with lots of fields > don't use

auto > use for shortening code.
Structure Binding  auto P = Std:make-pair (5'. 1)  auto [a,b] = P.
auto p = Std:make-pair (=s', t)
auto [a,b] = P.
Vector.
VECTOI.
Initialize:
Stal: Vector < type> V;
Stol: Vector < type> V; Stol: vector < type> V(n,k);
add-elem:
V. push-back
Q(1255 :
auto K= V[i]
modify:
VI:7 = X

is Empty (): v.empty() Size (): V. size () clear(): V.clear() Uniform Initialization. if we have a struct and we don't want to Ossign vars 1 after another.

Ne can use - \( \frac{2}{3}' \) after var name to assign var together E.g. Std::pair < bool, int > somepair & false, 63 Stu s ? str, str, int? even int x {3}

A even quider way for same nums need to be assigned to 1 Struct.
to 1 Struct
std : upctor (int > 1 (3,5); // \$ [, ], ] }
5td: vector (int > v (3,5)) /{{5,1,5}}
Constructor
( {3,5} // {3,5}
P form of
Reference
int & a.l.
Const & Const Reference.
c ch = can
Const > "not modified
hot_constant_var = const_var
GOAS - UON X

still not constant const auto just a copy of non-constant.