## Transition to C++

C++ -> Bjarne Stroustrup, 1980s

## Execution environment

Compile - boad- Interpret abc. java Java Compler - alec. class

Preprocess - Compiler - link - Run

abc. cpp -> Pre processor -> Expanded abc. cpp -> Compiler -> abc. -- binker Data types e vanables

C++ (String string class

- 1. C++ store strings ASCEL characters, not UNICODE characters.
- 2. C++ strings can be modéfied, Sava strings are Emmutable. 3. C++ -+ substr s. substr(i,n)
- only concalenate strings with other strings, not random objects.
- 5. ==, \=, \=, \=, \=, \=

Variables 2 constants int n = 5;

ent DAYS = 365;

Point &

double

classes:

public! Point ()(3) Point (double rudt, double qual)

double x

private:

(3)

volle dos delete

ython hebenogerous list = ["apple", honogeneous 2, "mongo ] ent [] arr = new ent[20];

Ent days [20] rector < lnt > / vector <int >b = a

a. pop- back (1) ~ ~ 1 2 1 3 1 4 1 5 Input 2 Output

cen/cont cout << "Hello world": cen ファルゴ

string Erput gettine (cin, input) ? Il reade an entre Line of Enput

a = "hello"

rector = int > a (100) 3

a. push-back (2);

Dynamic typing In dynamic typing, type cheeting is performed at sun time.

print (type (a)). 11 string print (type (a)) 11 Lut State c typing

string @= "Hello" int a xx

Loops - Por Loops

-> do- while boops

cont < < x

Fast Input and output en ctt

cen >> x → scanf ("%d", lx);

-> printf (" "(.d", x);

cin/cont \_\_\_\_\_ scanf/ prontf POS-base :: sync\_with stollo (false) cen. te (NVIL)