with the sales of	C++ (U)
The C++ programming Language	. ISTROUSTRUP!
The Children of Park	
The Rasics	The state of the s

Goal: present Notation of C++, cpps model of memory and computation, organizing code into a program

Basics:

C++ is compiled language

many source Texts processed by a compiler, producting obj file obj files combine by a linker yeiltling an executable

| source2 -> compile -> obj2 | link -> executable

C++ portability mean is source code is portable

ISO C++ standard defines + wo kind of entities:

- 1) core language feature
- 2) Standard library components

C++ is statically typed language => type of every entity
must be known to the compiler.

12.2.1

Date:	Sot Sun Mon Tue Thu Wed Fri	Subject:
2.2.2) Types, l	variable & Arithmetic.	The same of the sa
very name &	expression has a type.	1 - 2 - X
etermines operation	ons that may be	X - Suring of - XC
_ ^	t.	
7011100	100-100-100	
pp has al	variety of fundament	al types:
bool,	Char, int, double	Comparision mention
	hem has a fixed si	
		of values can be stor
1.	WE-KACIA	X Colored Colored
char:	. 1.	
	double:	- ANTINZERS
		alcolo de o
you can obt	ain Size of each	type by size of 1)
whoyte:	a: f. 1	× 11 1 1
	Sizeof(char) -> 1	(alduble)
	Size of Lint) ->4	Learney Jourplay
	156,162-0	Corriber Countiles
we don't have	made alle when	you can use ou
art A	sed freen to speci	uto as tued as
	to A 21 0.	- Sit - y of m
	201, C.	Ú.

Arithmatic operations.

x+y: Plus +x: unary Plus

x==y: equal x!=y: not equal

x/y: less than x>y: greater than

xx=y = less than oreg x>=y = greater than or eg

complex (double) x = 1; complex (double) x {d1, d2};

complex (double)2 = {d1, d2}

you can use auto +, we use when we don't have

- true > nis bool of reson to specify

2.2.3. Constant

const > I promise not to change this value

constexpr > to be evaluated at compile time

const int dmv=17;

int var=17,

consterpr double max1 = 1.41 * squar(dmv) / ok

consteppe double max2 - 1.4+ square (var), -> Error

const double mar3 = 1-4x Squar(Var), > 0K

2.2.4) TESTS & Lops

C++ Provides a conventional set of Startements for selection & loops:

1) if (answer = = 'y') return true;

2) switch (answer) f

case 191:

return true.

Cuse 'n':

return False

default:

cout < "Something";

Page F Veturn Like

Date: /		Sat. Sun. Mon. Tue. Thu.	(Wed.) (Fri.)	Subject: -	
s) int	tries=1;			4	
	le (tries		100 G2	T Dyears	
	,	0.1		_	
	(5)		-1	1 0	I L
1	tries ++		cun go		
4		AminGh	rorbakige	/CPPSt	roustrup
,		to see fins	ul Fram	ples of	Janka to part
(4)		selections	5 X 100P	s in A	Project.
	7/0	· u	2.2.44	Lillen	al who had so
	min =	(not) some	12 / Land	Cyony ski	als motion
	VA.	Dell' mann	2 202/	Crant	
	100			90	
				10.	
				1	+3-(+
-	1				
10+	2towests	MS 40 4051	Ventional	CL CAN	SHINDLE +-
			-10	100/25	* noitale
		1 tiue;	netur	1	19 Jacober
			,	2/20	want Johns
					(p) (p) (m)
					and I may
				- Carrier	- Majori
				., 9	1
				0) 10	
					the ist