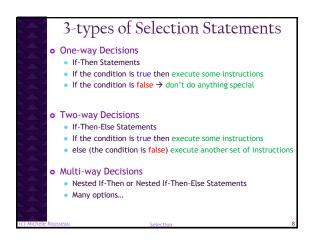
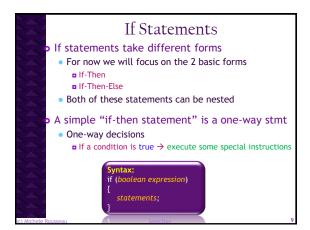
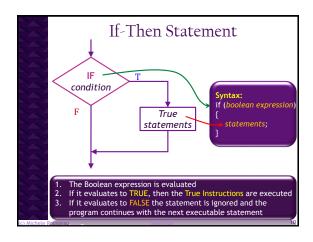
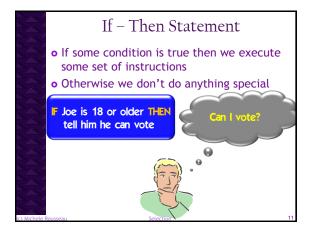


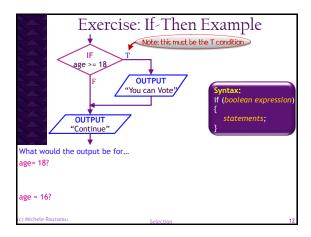
			_					_		_
	Char	Decimal Value		Char		Char	Dec		Char	Dec
	SP	32		8	56	P	80		h	104
	!	33		9	57	Q	81		i	105
		34		:	58	R	82		j	106
	#	35		;	59	S	83		k	107
	\$	36		<	60	T	84		- 1	108
	%	37		=	61	U	85		m	109
- A	&	38		>	62	V	86		n	110
	,	39		?	63	W	87		0	111
ASCII Chart for	(40		@	64	Х	88		р	112
Printing)	41		Α	65	Y	89		q	113
Characters	*	42		В	66	Z	90		r	114
Gradeters.	+	43		С	67	[91		S	115
	,	44		D	68	\	92		t	116
Section 1	-	45		E	69]	93		u	117
Andrew Miles		46		F	70	^	94		V	118
	/	47		G	71	_	95		w	119
	0	48		Н	72	,	96		Х	120
	1	49		- 1	73	а	97		У	121
	2	50		J	74	b	98		Z	122
	3	51		K	75	С	99		{	123
	4	52		L	76	d	100			124
	5	53		M	77	е	101		}	125
	6	54		N	78	f	102		~	126
	7	55		0	79	g	103		DEL	127
(c) Michele Rousseau			9	election						7

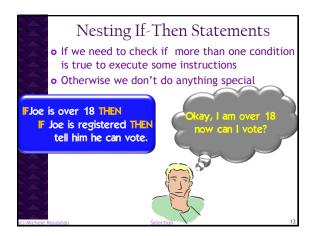


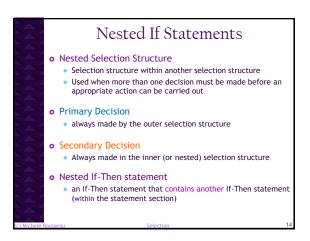


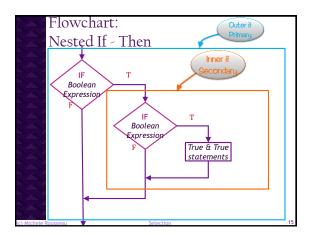


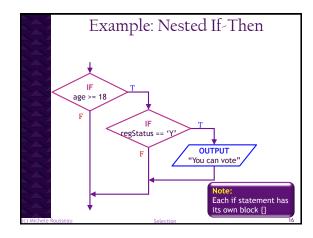


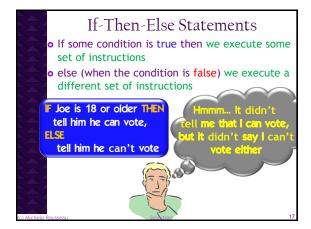


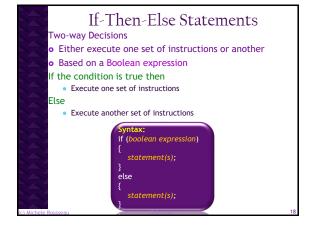


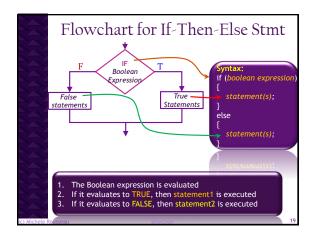


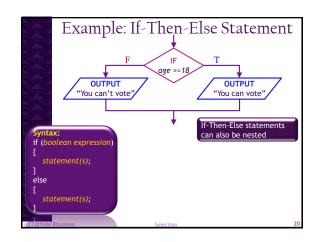


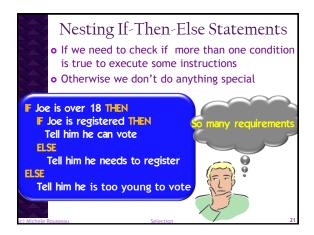


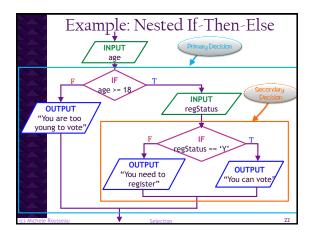




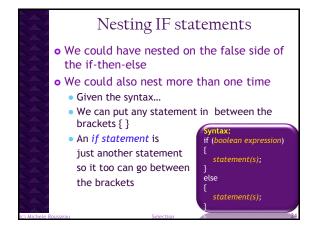








Example: Nested If-Then-Else



```
Common Errors in Selection

Structures

• Syntax errors:

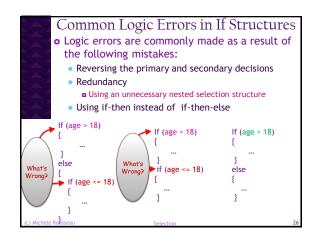
• Forgetting the parenthesis

• Eg. if (age >= 18) → NOT if age >= 18

• Putting a ";" at the end of the first line

• Eg. if (age >= 18) → NOT if (age >= 18);

• The statement is correct it just won't do anything
```



```
Comparing c-strings

Cstrings are stored in an array

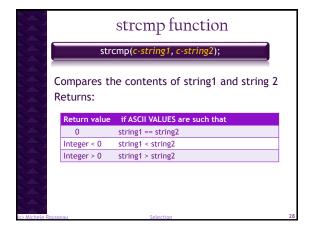
Remember an array is a contiguous area of storage where each element has the same data type

cstrings are an array of characters

When you access an array you are working with the address of the array → Not the value in the address

When you make the following comparison:
if(stringOne == stringTwo)

you are comparing the addresses → not the values
→ the addresses will never be the same
```



```
Example

char stringOne[10];
char stringTwo[10];

cout << "Enter the first string: ";
cin >> stringOne;

cout << "Enter the second string: ";
cin >> stringTwo;

if(strcmp(stringOne, stringTwo) == 0)
{
    cout << "The strings are the same";
}
```

```
Assigning C-Strings
Similarly, we can't directly assign one c-string into another
For example:
char name1[30];
char name2[30];
We can't do this: name1 = "Joe";
Instead we can use:
strncpy(toC-string, fromC-string2 , sizeOfToC-string );
strncpy(name1, "Joe", 30);
cout << name1;
                                 This will output: Joe
strncpy(name2, "Mo", 30);
strncpv(name1, name2, 30);
                                  This will output: Mo
cout << name1;
 NOTE: You need to #include
                                <cstring> to use strncpy
```