CS Bridge Module 5: Branching Statements Part 2 - Another Control Flow we can use in C++ is the Branching Statement; "Switch" Switch Statement Syntax: switch (numeric-expression) & case constant: break; case constant: brak: default: 3 brok; - "switch" keyword with a numeric expression to be evaluated -"case" clases with constant values
- Statement linstructions to be performed "brack" stops the Evaluation Scarantics: - When execution reaches a "switch statement" - First, numeric expression is evaluated - Sciently the numeric expression is compriled to "constant one"

-it the numeric expression and constant are equal then

the case expression/instructions will be executed

- Losty, After the expression is cralingled, break keyword is evaluated, and would "brak" out of the switch statement.

Switch Statement - Syntactic Notes

- "Switch" statements are CESS powerful than the "if-clse, if, else" statement
- Storff that can be done with an multi may "if" can't recessoring be done with a "switch"
- The condition in an "if" statement on be a complex bullen expression
- The "switch" statement is only comparing numeric values
- Switch statements are usuful when we want to implement memors, Synatrufic Notes:
- Numeric expression must be either; int (short int, long int, int), char, or boul Cannot be double, flout or complex defined types
- The "case" lables MUST be Constants (literals or named constants)
 Connut be expressions, variable names
- If no "case" label matches the value of the "numeric expression", control branches to the detault label.

 If no "default label, nothing is executed in the "switch" startement and control passes to the tollowing startement after "switch"
 - After a branch is taken, the control proceeds until a break" is reached If here is no "break" startment, control falls to the rext switch statement UNTIL we reach the vext "break"