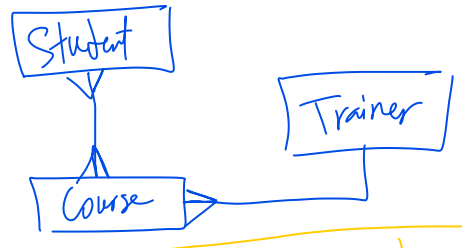
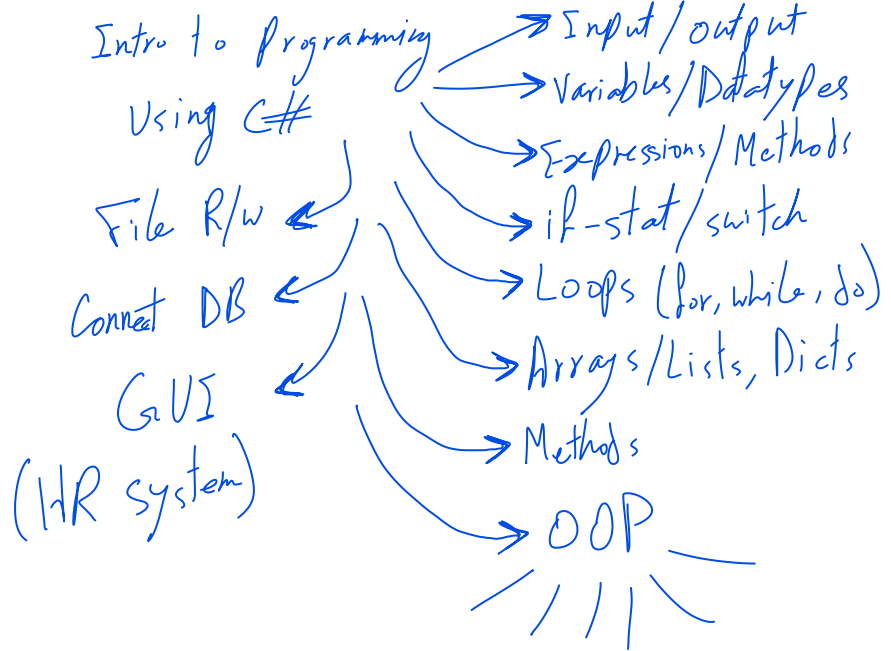


- Web Developer
- \* C# Programming ✓
  - \* Querying SQL Server
  - \* HTML, CSS, JS
  - \* ASP.Net



Errors	input storage process output	<div> <u>salary</u> → Variable  <div> 7000 </div> <ul style="list-style-type: none"> <li>byte, short, <u>int</u>, long</li> <li>float, <u>double</u>, decimal</li> <li>char, string</li> </ul> </div> annual Salary = salary * 12
<ul style="list-style-type: none"> <li>* Syntax</li> <li>* Runtime</li> <li>* Logic</li> </ul>		

<div> mark <input type="text"/> fullMark <input type="text"/> </div> $Pct = \frac{mark}{fullMark} * 100$	<u>Math Operators</u> ( ) ① *, /, % ② +, -  $5/2 \rightarrow 2$ $5.0/2 \rightarrow 2.5$ int x = 5; int y = 2; (double) x/y → 2.5	<div> <math>2 + (3 / 3)</math> <sup>1</sup> <sup>3</sup>    <math>(3 / 3) * 2</math> <sup>1</sup> <sup>2</sup> </div> $7 \% 3 \rightarrow 1$ $11 \% 3 \rightarrow 2$ $10 \% 2 \rightarrow 0$
---	---	---

<u>Assignment Operator</u> int x = 5 <del>x = 3</del> <del>x = x + 5</del> <del>x += 2</del> <del>x *= 3</del> <del>x -= 5</del>  <div> <del>2</del>  <del>3</del>  <del>8</del>  <del>10</del>  <del>30</del>  <del>25</del>  <del>26</del>  <del>27</del>  <del>28</del>  27 </div>	x++ cw(x++) → 26 cw(++x) → 28 cw(x--) → 28	<u>Common Methods</u> Math.Pow(5, 2) → 5 <sup>2</sup> → 25 Math.Sqrt(25) → 5 Math.Max(5, 2) → 5 Math.Min(5, 2) → 2 Math.Round(19.674) → 20 Math.Round(19.674, 1) → 19.7
---	---	---

weight	height
68	182

$$bmi = \frac{weight}{(height/100)^2}$$

20.52...

if (bool-expr) {  
 \_\_\_\_\_ true

{  
 \_\_\_\_\_ always

if (bool-expr) {  
 \_\_\_\_\_ true  
 } else {  
 \_\_\_\_\_ false

{  
 \_\_\_\_\_ always

## Relational Operators

>, <, >=, <=

==, !=

x = 5

x  
5

x == 3

false

x != 3

true

if (bool-expr) {  
 \_\_\_\_\_ ①

{ else if (bool-expr) {  
 \_\_\_\_\_ F, T

{ else if (bool-expr) {  
 \_\_\_\_\_ F, F, T

{  
 ...  
 else {  
 \_\_\_\_\_ all false

{  
 \_\_\_\_\_ always

mark	FullMark

$$Pct = \frac{mark}{FullMark} \times 100$$

> 85 Excellent  
 > 75 V. Good  
 > 65 Good  
 >= 50 Pass  
 Fail

## Logical Operators

bool-expr && bool-expr  
 ||

! bool-expr

day

1-5 → Work-day  
 6, 7 → off-day  
 else → Invalid

day

7, 1-4 → work-day  
 5, 6 → off-day  
 else → Invalid

switch (expr) {

case value1:

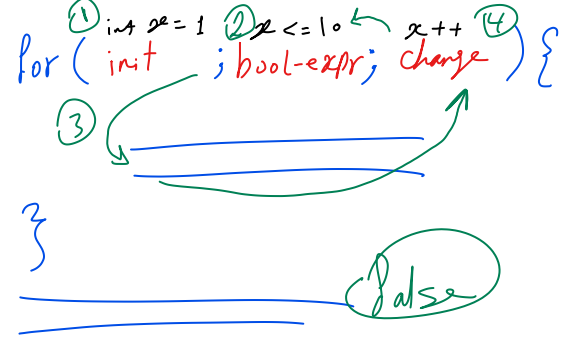
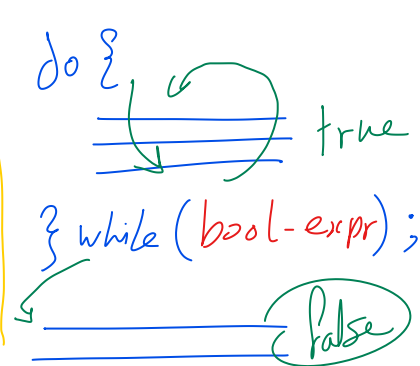
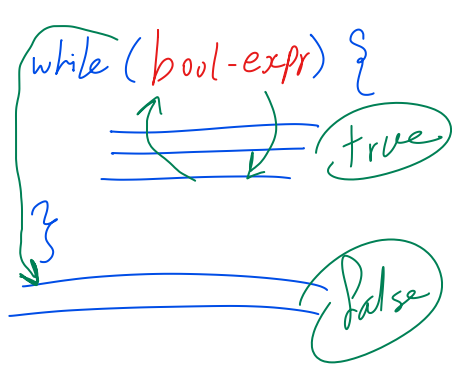
break;

case value2:

break;

default:

}



what's 7 \* 7?  
 >> 49  
 what's 4 \* 2?  
 >> 8  
 what's 9 \* 6?  
 >>  
 ...  
 >> 13  
 Game Over!!

what's 7 \* 6?  
 >> 13  
 Try again, what's 7 \* 6?  
 >> 60  
 Try again, what's 7 \* 6?  
 >>  
 ...  
 >> 42  
 Correct

Guess num. btw 0-100

number
62

>> 33

Go up

>> 75

Go Down

>> 56

Go up

>> 60

Go up

>> 62

You Gessed Right!

guess
33
75
56
60
62

