- implicting casting : automatic conversion of one datatype into anther datatype

Rules size memory

- explicting casting : Requires programmer to specify datatype using a casting

ex: b.5 b = int (a)

- Parse → using to datatype to datatype requires all string is : ' ';
int x = int.parse(y)

- Convert : convert to any datatype

operators

unary ++ -- (post, per)

int a = 5
++a prefix a=6
--a increment, print

a++
post → print + increment
a--

Binary

int a = 5
int b = 6
int z = a+b int y = (a - b) int z = a * b
$b_2 = a \% b$
$z_2 = a / b$

assignment = += -= *= /= %=
↓
The same variable

x += 5 = x = x+5

Relation (== != >= <= > <)
↓
using condition

Logical !=not (!(false)) = True
&& → مرة → false
→ True, True = True
|| → false, false = false
→ العكس = True

Bitwise | → يمشي على كل الكود
&
||

Ternary =? :
int y = x>5 ? True : false

if else

if
elseif
else

if (condition)
{
}
else
{
};

switch case

switch (condition)

case( )

break;

case (input)

break