* Parse *

```
Consol.Writeline("Enter Data User");
Consol.Write("Enter name:");
String Name = Consol.Readline();
Consol.Write("Enter Age:");
int Age = int.Parse(
    Consol.Readline());
Consol.Write("Enter Salary:");
double salary = double.Parse
(Consol.Readline());
Consol.Clear();
Consol.Writeline("name:" + name +
"age:" + age + "Salary:" + salary);
```

EXPLICT casting

Long X = 1234567890l;

int Y = (int) X; → unsafe casting

↳ overflow

Value types Casting

* implicit Casting
* EXPlicit Casting
* Parse
* convert

* implicit Casting *

```
int x = 4;
long y = x;
```

Assignment operator

```
int X = 10;
X += 10;
X -= 10;
X *= 10;
X /= 10;
X %= 10;
```

Relation operators

```
int A = 10;
int B = 10;
Console.WriteLine(A == B);
```

Operators

* Unary operators

```
int X = 5;
Console.Write(X);
Console.WriteLine(--X);
```

* Binary operators

```
int sum, mul, sub, div, Mod;
int A=8;
int B=5;
sum = A + B;
mul = A * B;
sub = A - B;
div = A / B;
Mod = A % B;
```

```
Console.WriteLine(sum);
Console.WriteLine(mul);
Console.WriteLine(sub);
Console.WriteLine(div)
Console.WriteLine(Mod),
```

* convert *

```
Console.WriteLine("EnterDate User");
Console.Write("EnterName :");
string Name = Console.ReadLine();
Consol.write("Enter Age");
int Age = Convert.toInt32(Console.
ReadLine());
consol.write("Entersalary");
Double salary = convert.toDouble
(Console.ReadLine());
Console.Clear();
Console.WriteLine("name:" + name +
"Age:" + Age + "salary:" + salary);
```

Wednesday 16 April
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BitwiseOperators

Console.WriteLine(true & false);

true & true → true

true & false → false

false & true → false

false & false → false

Console.WriteLine(true | false);

true | true → true

true | false → true

false | true → true

false | false → false

LogicalOperator

- Console.WriteLine(true&&false);

true && true → true

true && false → false

false && true → false

false && false → false

- Console.WriteLine(true||false);

true || true → true

true || false → true

false || true → true

false || false → true

switch

```
switch (monthNumber)
{
  Case 1:
     Console.WriteLine("Month is jan");
     Break;
  Case 2:
     Console.WriteLine("month is feb");
     Break;
     case3;
  Console.Writeline("Mont is MaR")
     Breake
Default: Console.writeline("inValid")
  Break;
}
```

if

```
Console.WriteLine("Enter Month:")
int monthNumber=int.Parse(Console.ReadLine)
if (montNumber==1)
  Console.WriteLine("month is jan");
Else if (MoutNumber==2)
Console.WriteLine("Month is feb");
else if (MonthNumber==3)
Console.WriteLine("month is mar")
Else
Console.WriteLine("invalid inPut");
```

ternary operator

```
int X = 4;
strint Message = X > 4
"greater than 4" : " X Less than or
Equal 4 ";
Conside.writeline Cmessage);
```

operator Periority

1- unary operator
2- ( )
3- * / %
4- + -

```
int A = 20;
int B = 15;
int C = 10;
int D = 11;
```

```
int Rusalt;
Rusalt = (A+B) * C / D;
Pusalt = A++ * C;
```