



Compi-1  
2024

# GENERATOR-CC

## TECHNICAL-MANUAL

Presented by: 201930672

# EXPRESIONES REGULARES



ENTERO = (0|([1-9][0-9]\*))

ENTERO2 = (0|(-)?([1-9][0-9]\*))

DECIMAL = (0|(-)?([1-9][0-9]\*)(\.(0|([0-9]\*[1-9])\{1,4\})))

/\* Regexs for comments

LINE\_COMMENT = "!!"[^\n]\*

BLOCK\_COMMENT = "<!--~-->"

/\* Regexs for parameters

URL = (https?:\/\/)?([\da-z\.-]+)\.([/\w\.-]\*)\*\?

COLOR = #([a-fA-F0-9]{6}|[a-fA-F0-9]{3})

SIZE = {ENTERO}(px)

WH\_VAL = {ENTERO}("%")

IDPARAM = [\_\$-][\w\$-]\*

NAMEPARAM = [:letter:][\w \$-]\*

PROCESS\_NAME = "FUNCTION\_"[\w]\*

IDVAR = [:letter:][\w]\*

# EXPRESIONES REGULARES- ETIQUETAS

[cC]\_[cC][cC]  
[cC]\_[hH][eE][aA][dD]  
[cC]\_[tT][iI][tT][lL][eE]  
[cC]\_[lL][iI][nN][kK]  
[cC]\_[bB][oO][dD][yY]  
[cC]\_[sS][pP][aA][mM]  
[cC]\_[iI][nN][pP][uU][tT]  
[cC]\_[tT][eE][xX][tT][aA][rR][eE][aA]  
[cC]\_[sS][eE][lL][eE][cC][tT]  
[cC]\_[oO][pP][tT][iI][oO][nN]  
[cC]\_[dD][iI][vV]  
[cC]\_[iI][mM][gG]  
[cC]\_[bB][rR]  
[cC]\_[bB][uU][tT][tT][oO][nN]  
[cC]\_[hH]1  
[cC]\_[pP]  
[cC]\_[sS][cC][rR][iI][pP][tT][iI][nN][gG]



# EXPRESIONES REGULARES- PARÁMETROS

"href"  
"background"  
"color"  
"font-size"  
"font-family"  
"text-align"  
"type"  
"id"  
"name"  
"cols"  
"rows"  
"class"  
"src"  
"width"  
"height"  
"alt"  
"onclick"



# EXPRESIONES REGULARES- COLORES

"black"

"olive"

"teal"

"red"

"blue"

"marron"

"navy"

"gray"

"lime"

"fuchsia"

"green"

"purple"

"silver"

"yellow"

"aqua"

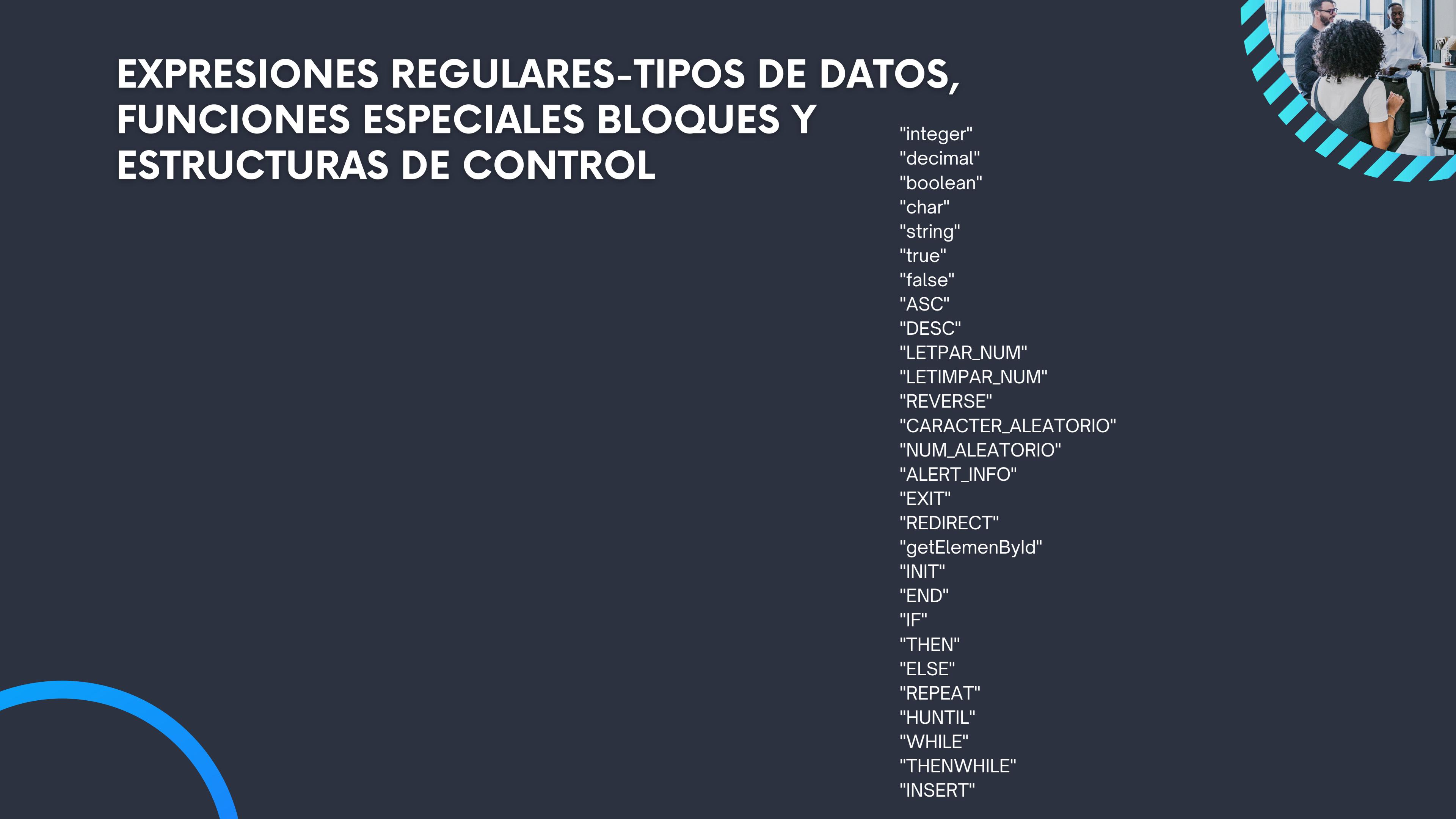


# EXPRESIONES REGULARES- FUENTES, ALINEACIONES, INPUT, DIV, Y CLC

"Courier"  
"Verdana"  
"Arial"  
"Geneva"  
"sans-serif"  
"left"  
"center"  
"right"  
"justify"  
"text"  
"number"  
"radio"  
"checkbox"  
"column"  
"row"  
"ON\_LOAD"  
"@global"



# EXPRESIONES REGULARES-TIPOS DE DATOS, FUNCIONES ESPECIALES BLOQUES Y ESTRUCTURAS DE CONTROL



"integer"  
"decimal"  
"boolean"  
"char"  
"string"  
"true"  
"false"  
"ASC"  
"DESC"  
"LETPAR\_NUM"  
"LETIMPAR\_NUM"  
"REVERSE"  
"CARACTER\_ALEATORIO"  
"NUM\_ALEATORIO"  
"ALERT\_INFO"  
"EXIT"  
"REDIRECT"  
"getElemenById"  
"INIT"  
"END"  
"IF"  
"THEN"  
"ELSE"  
"REPEAT"  
"HUNTIL"  
"WHILE"  
"THENWHILE"  
"INSERT"

# GRAMATICA-ETIQUETA

## CC

```
cc ::= "<" C_CC paramsCC ">" textTag head body "</> C_CC ">" textTag  
      paramsCC ::= param*  
                  param ::= "[" parameter "]"  
head ::= "<" C_HEAD paramsHead ">" textTag "</> C_HEAD ">" textTag  
       paramsHead ::= param*  
body ::= "<" C_BODY paramsBody ">" textTag content "</> C_BODY ">" textTag  
       paramsBody ::= param*  
                   content ::= element*  
element ::= textTag | "<" C_DIV paramsDiv ">" textTag "</> C_DIV ">" textTag  
        paramsDiv ::= param*
```



# GRAMATICA-PARAMETROS CC

paramsCC ::= paramsCC paramCC | paramCC

paramCC ::= "[" optionParamCC "]"

optionParamCC ::= NAME ASSIGN "\" NAME\_PARAM "\""  
| ID ASSIGN "\" optionId "\""



# GRAMATICA-ETIQUETA HEAD

head ::= "<" C\_HEAD ">" textTag headTags "</" C\_HEAD ">" textTag  
| error textTag

headTags ::= link title  
| title link



# GRAMATICA-ETIQUETAS LINK

title ::= "<" C\_TITLE ">" textTag "<" SLASH C\_TITLE ">" textTag

link ::= "<" C\_LINK href ">" textTag "<" SLASH C\_LINK ">" textTag

href ::= "[" HREF ASSIGN "\"" URL "\"" "]"



# GRAMATICA-ETIQUETA BODY

body ::= "<" C\_BODY background ">" textTag bodyTags "</" C\_BODY ">" textTag  
| error textTag

bodyTags ::= bodyTags bodyTag  
| bodyTag

bodyTag ::= "<" nameTagBody ">" textTag  
| "<" C\_BR ">" textTag

# GRAMATICA-RESTO DE ETIQUETAS

```
NAMETAGBODY ::= C_SPAM PARAMSSPAM ">" TEXTTAG "<" SLASH C_SPAM  
| C_INPUT PARAMSINPUT ">" TEXTTAG "<" SLASH C_INPUT  
| C_TEXTAREA PARAMSTEXTA ">" TEXTTAG "<" SLASH C_TEXTAREA  
| INICIOSELECT TEXTTAG OPTIONSTAG "<" SLASH C_SELECT  
| C_IMG PARAMSIMG ">" TEXTTAG "<" SLASH C_IMG  
| C_BUTTON PARAMSBTN ">" TEXTTAG "<" SLASH C_BUTTON  
| C_H1 PARAMSH1 ">" TEXTTAG "<" SLASH C_H1  
| C_P PARAMSP ">" TEXTTAG "<" SLASH C_P  
| INICIODIV TEXTTAG "<" SLASH C_DIV  
| INICIODIV TEXTTAG BODYTAGS "<" SLASH C_DIV  
| C_SCRIPTING ">" PROCESOS "<" DIVIDE C_SCRIPTING
```

INICIOSELECT ::= C\_SELECT PARAMSSEL ">"

INICIODIV ::= C\_DIV PARAMSDIV ">"

