

# CFG Keywords

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Value	Token
\$	EOF
;	EOL
,	EOD
while	While
for	For
if	Logic
(	Open("(")
)	Close(")")
{	Open("{")
}	Close("}")
[	Open("[")
]	Close("]")
x	Var("x")
5	NumVal(5: u32)
"hello"	StrVal("hello": String)
int	Type("int")
+	Op("+")
print	Func("print")

---

## Example Tokenization

```
x = 5;
y (float) = 7.0;

print(x + y);

if (x < 3) x++;
```

Token Stream
Var("x")

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**Token Stream**

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`Op( "=" )`

---

`NumVal( 5 )`

---

`EOL`

---

`Var( "y" )`

---

`Open( "(" )`

---

`Type( "float" )`

---

`Close( ")" )`

---

`Op( "=" )`

---

`NumVal( 7 )`

---

`EOL`

---

`Func( "print" )`

---

`Open( "(" )`

---

`Var( "x" )`

---

`Op( "+" )`

---

`Var( "y" )`

---

`Close( ")" )`

---

`EOL`

---

`If`

---

`Open( "(" )`

---

`Var( "x" )`

---

`Op( "<" )`

---

`NumVal( 3 )`

---

`Close( ")" )`

---

`Var( "x" )`

---

`Op( "++" )`

---

`EOL`

---

`EOF`