

HW\_03\_BNF\_AND\_EBNF

Actividad #3

Lenguajes de programación

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#### BNF Switch statement in C

### EBNF Switch statement in C

```
SWITCH ::= switch '('variable')' '{'{case} [default]'}'
CASE ::= {head} CODE break;
HEAD ::= case VALUE:
DEFAULT ::= default: CODE
```

# BNF foor loop in Python

```
<For>::= for <expression> in range (start, stop, step)
```

## EBNF foor loop in Python

```
FOR ::= for in range

RANGE ::= '('variable','variable', 'variable')'
```

### BNF case or cond statement in Racket

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```
COND ::= '('cond {COND-CLAUSE} ')'

COND-CLAUSE ::= '[' '(' TEST-EXPR ')'

( [THEN-BODY] ['⇒' PROC-EXPR ] [else THEN-BODY ] ) ']'
```