

## Kode Program

```
int i=1;  
do{  
    i=i*2;  
    i++;  
}while(i<=10);
```

## Grammar

<statement> ::= <declare> do { <aksi> <indecrements>} while(<kondisi>)

<kondisi> ::= <variabel> <operator> <angka>

<declare> ::= int <variabel> = <angka>

<angka> ::= 0...10

<indecrements> ::= <variabel>++ | <variabel>--

<aksi> ::= <variabel> = <variabel> <operator> <variabel>

<variabel> ::= a | b | c

<inequality> ::= >= | <= | < | >

<operator> ::= + | - | \* | /

Simbol non-terminal: <statement>, <kondisi>, <declare>, <angka>, <indecrements>, <aksi>, <variabel>, <inequality>, <operator>

Simbol terminal: true, false, a, b, ==, \*, if, then, endif, <=, >=, >, <, =

\*\* Catatan: notasi Grammar dituliskan menggunakan notasi BNF (Backus-Naur Form)

## Finite Automata





