

## Variable type

There are 3 types of variable in javascript

Type	in latin	Description
သံသရာဇာဏ	wilangan	Number, can be integer or floating point
လှေတံသရာဇာဏ	tulisan	String
ဇာဏဇာဏ	katrangan	Statement

Number literal has to be written with `:` surrounding the number, for example : `:ကုသုတ်` `:ကုသုတ်` `:၆၆၆` (1, 12, 42).  
String literal has to be written with `|` surrounding the string, for example : `|ကုသုတ်ကုသုတ်ကုသုတ်|` (iki tulisan)

String literal has to be written with `|` surrounding the string, for example : `|ဟိုတီအေလ်မာရီယံ|` (iki tulisan).

Statement is special that it has to be in the form of `value1 comparison_type value2`. Statement will be discussed deeper on its own.

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## Declaring a variable

To declare variable, use keywords `၁၂၃၄ (ana)` or `၅၆၇၈၉၀ (wonten)` followed by **variable name**, followed by `၁၂၃၄၅ (niku)` or `၁၂၃၄၅၆ (iku)` and then followed by **variable type**, and always end it with `။` for example :

Example	in latin	Description
လားလားလားလားလားလားလားလားလား	ana လ, iku wilangan.	Declaring variable လ as number
တုလားလားလားလားလားလားလားလားလား	wonten စ, niku tulisan.	Declaring variable စ as string
လားလားလားလားလားလားလားလားလား	ana ဖ, niku katrangan.	Declaring variable ဖ as statement

you can freely interchange between **ꦲꦤ** (ana) and **ꦮꦺꦤ꧀** (wonten), also **ꦤꦶꦏꦸ** (niku) and **ꦲꦶꦏꦸ** (iku). Notice that in some cases, the letter merge, as in **ꦲꦤꦺꦤ꧀**, the **ꦤ** is merged with **ꦲ** because the rule of aksara jawa where **ꦲꦤ + ꦤ = ꦲꦤ**.

Notice that in some cases, the letter merge, as in `ꦠꦺꦤ꧀ꦠꦺꦤ꧀` the `ꦠꦺ` is merged with `ꦠꦺ` because the rule of aksara jawa where `ꦠꦺ + ꦠꦺ > ꦠꦺ`. In this case, the variable name will still be recognized as `ꦠꦺ`. To help with this, you can use `{` and `}` as in `ꦠꦺꦤ꧀ꦠꦺꦤ꧀{ꦠꦺ}` so that the letter won't merge. But remember, in that cases, the variable will be recognized as `{ꦠꦺ}` and is different from `ꦠꦺ`.

After declared, variables will have a default value. **Number** variables will be set to `0`, **String** variables will be set to `""` (empty string), while **statement** will be set into `"" equal to ""`.

## Initializing a variable and setting a value

To initialize variable or set a value to a variable, use keyword `ၵၵၵၵ` (ganti) or `ၵၵၵၵၵၵ` (gantos) , followed by **variable name**, followed by `ၵၵၵ` (dadi) , followed by the *value* to assign, and always end it with `ၵ` . For example :

Example	in latin	Description
ၣ်ကံလဲသင်္ဂေက်ဒါးၣ်	ganti <span style="background-color: #f0f0f0;">um</span> dadi 2	Setting value 2 to variable <span style="background-color: #f0f0f0;">um</span> (where <span style="background-color: #f0f0f0;">um</span> is a number variable)
ၣ်ကံဃာထေက်လံာ်တံၢ်ကျိၤပံာ်မာ်ကျိၤ	ganti <span style="background-color: #f0f0f0;">en</span> dadi "iki tulisan"	Setting value "iki tulisan" to variable <span style="background-color: #f0f0f0;">en</span> (string)
ၣ်ကံၣ်ကထေက်လဲၣ်သုၣ်ညါၣ်မာ်ဒါးၣ်	ganti <span style="background-color: #f0f0f0;">m</span> dadi <span style="background-color: #f0f0f0;">um</span> luwih saka 2	Setting a statement " <span style="background-color: #f0f0f0;">um</span> is greater than 2" to <span style="background-color: #f0f0f0;">m</span> (statement)

Initialization and value setting done this way must be done with literals, for example, `ganti dadu` is not a valid statement to copy the value from `dadu` to `ganti`, value copying can be done using variable operator.

## Printing

To print a value of an existing variable, use the keyword `භූමිකාව` (tulis) , followed by **variable name**, and always end it with `;` .  
For example `භූමිකාව(භූමිකාව)` (tulis (tulis)) will print the value of `භූමිකාව` .  
You can also print a literal, for example `භූමිකාව(භූමිකාව)` (tulis "භූමිකාව") . will print `භූමිකාව` . And `භූමිකාව(12)` (tulis 12.) will print `12` .

Statement

Statement variable has value in the form of `value1 comparison type value2` . A value could be either a literal or a variable name. The comparison types that are available are :

Comparison Type	in latin	Description
භූමිකාව	luwih saka	> greater than
භූමිකාව	kurang saka	< less than
භූමිකාව	padha karo	= equal to
භූමිකාව	ora	≠ not

for example, when variable `භූමිකාව` is set to the statement "`භූමිකාව` is greater than 2", it'll evaluate to either `true` or `false` depending on the value of `භූමිකාව` . String comparison are also possible.  
Out of 4 comparison types that are available, `භූමිකාව` (ora) is a bit different that it only accept one argument. So let's say we have a statement variable `භූමිකාව` (pa) and we wan't to negate it with variable `භූමිකාව` (dha) i.e. `භූමිකාව := භූමිකාව` , we can set `භූමිකාව` with `භූමිකාව(භූමිකාව)` (ganti භූමිකාව dadi ora භූමිකාව) .

There are two default statement variable that have predetermined value, that is `භූමිකාව` (bener) which return `true` , and `භූමිකාව` (salah) which return `false` .

Variable Operation

You can't do explicit math operation in this language, but you can modify variable using operator. Operator that are available are :

Operator	in latin	Description
භූමිකාව	tambah	add
භූමිකාව	kurangi	subtract
භූමිකාව	ping	multiply
භූමිකාව	para	divide
භූමිකාව(භූමිකාව)	turahé yén dipara	modulo
භූමිකාව	padhakké	set into

To operate on a variable, use keyword `භූමිකාව` (ganti) , followed by **variable name**, followed by `;` , followed by **operator**, followed by **operand**, and always end it with `;` .  
these operator can be called to an existing variable, and will modify it's value. All the operator takes one argument as the operand.  
Operand can be literal, but also can be variable name. All operation works on **number**, **string** can only use `භූමිකාව` (tambah) and `භූමිකාව` (padhakké) , while **statement** can only use `භූමිකාව` padhakké  
for example, if we have variable `භූමිකාව` with a value of `භූමිකාව` 5 , when we call `භූමිකාව(භූමිකාව)` (ganti භූමිකාව, tambah 2) , the value of `භූමිකාව` will become `5+2 = 7` .

Loops and conditional

Currently, this language only support while loop, which can be called using the keyword `භූමිකාව(භූමිකාව)` (nalika taksih) , followed by **statement variable**, and always end it with `;` . After that, close the loop with the keyword `භූමිකාව(භූමිකාව)` (dilakokaké) . For example to print the number from `1` to `10` we can write

```
භූමිකාව(භූමිකාව)
භූමිකාව(භූමිකාව)
භූමිකාව(භූමිකාව)
භූමිකාව(භූමිකාව)
```

[illegible]

explanation

Code	in latin	pseudocode
လၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	ana (၁၈), iku wilangan.	var (၁၈) : numeral
လၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	ana (၁၈), iku katrangan.	var (၁၈) : statement
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤ	ganti (၁၈) dadi 1.	(၁၈) := 1
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	ganti (၁၈) dadi (၁၈) kurang saka 11.	(၁၈) := (၁၈) < 11
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	nalika taksih (၁၈).	while (၁၈) {
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	tulis (၁၈).	print (၁၈)
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	tulis " ".	print " "
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	ganti (၁၈), tambah 1.	(၁၈) := ၁၈+1
ၵၢၤၼ်းလၢၤလၢၤလၢၤလၢၤလၢၤလၢၤ	dilakokake	}

Loop can be exited with the keyword `break` (rampung.).

Keyword	in latin	Description
ꦲꦫꦸꦁ	rampung	break out of loop

Conditional if can be constructed using while loop and breaking the loop after. For example

```

ရေတံခါးကလေးကိုဖြည့်ပါ။
...instructions...
ဘာလဲနော်။
အဲဒါဟာရေတံခါးကလေးပါ။

```