



## 1. Math Operations (SUM, SUB, MUL, DIV, MOD)

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Copy code

```
plant a = 10
plant b = 3

say a + b      # SUM: 13
say a - b      # SUB: 7
say a * b      # MUL: 30
say a / b      # DIV: 3.33 (if supported)
say a % b      # MOD: 1
```

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## + 2. Unary Operations (Positive/Negative)

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```
plant x = -5
say x      # -5
plant y = +5
say y      # 5
```

---



## 3. Printing

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```
say "Hello, World!"
```

---



## 4. Variable Declaration

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```
plant fruit = "apple"
plant count = 5
plant isFresh = yes
```

---

## 5. Variable Access

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```
plant name = "Zuzu"  
say name
```

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## 6. Variable Manipulation / Assignment

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```
plant score = 10  
score = score + 5  
say score      # 15
```

---

## 7. Datatypes (Bool, String, Number)

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```
plant age = 12           # Number  
plant name = "Luna"      # String  
plant ready = yes        # Bool
```

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## 8. Logical Ops ( $\geq$ , $>$ , $\leq$ , $<$ , $==$ , $!=$ )

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```
plant a = 10  
plant b = 5  
  
say a > b      # yes  
say a < b      # no  
say a == 10    # yes
```

```
say a != b      # yes
say a >= 10     # yes
say b <= 5      # yes
```

---

## 9. If Statement

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```
plant temp = 40
```

```
check temp > 30:
  say "It's hot!"
```

---

## 10. If-Else Statement

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```
plant age = 16
```

```
check age >= 18:
  say "You can vote"
flip:
  say "Too young to vote"
```

---

## 11. For Loop (Simulated)

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```
plant i = 0
hop i < 5:
  say i
  i = i + 1
```

---



## 12. While Loop

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```
plant count = 3
hop count > 0:
  say count
  count = count - 1
```

---



## 13. Function Definition

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```
magic greet:
  say "Hello from magic!"
end
```

---



## 14. Function with Return

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```
magic add:
  plant result = 5 + 3
  return result
end
```

```
say cast add
```