

# Guni Documentation

**Welcome to Guni** – a beginner-friendly, Hindi-inspired programming language that makes coding approachable by using familiar Hindi terms. This guide will introduce you to the Guni language and its essential commands. With Guni, you can code in Hindi-inspired syntax while performing all basic programming tasks.

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## Getting Started

To begin coding in Guni, ensure you have the Guni interpreter ready. Guni files use the `.guni` extension. Write your code in Guni syntax, and it will translate familiar Hindi words into Python commands.

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## Basic Syntax

Python Keyword	Guni Keyword	Description
<code>print</code>	<code>dikha</code>	Display output
<code>abs</code>	<code>Aakaar</code>	Get absolute value
<code>def</code>	<code>setkarde</code>	Define a function
<code>return</code>	<code>Wapas</code>	Return a value from a function
<code>True</code>	<code>Sahi</code>	Boolean true
<code>False</code>	<code>Galat</code>	Boolean false

None	kuchni	Represents nothing/none
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Example:

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```
setkarde add(A, B):  
    Wapas A + B
```

```
dikha(add(2, 3)) # Output: 5
```

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## Control Flow

Python Keyword	Guni Keyword	Description
if	agar	Condition check
elif	WarnaAgar	Else if
else	Warna	Else block
for	Har	For loop
while	Jabtak	While loop
break	rukja	Break loop
continue	Chalu	Continue to next iteration

Example:

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```
Har i in range(5):  
    agar i ZyadaHaiKya 2:  
        dikha("Value is greater than 2")  
    WarnaAgar i SameHai 2:  
        dikha("Value is 2")  
    Warna:  
        dikha("Value is less than 2")
```

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## Functions and Methods

Define functions using `setkarde` and return values using `Wapas`.

Example:

guni

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```
setkarde square(number):  
    Wapas number * number  
  
dikha(square(4)) # Output: 16
```

## Error Handling

Handle exceptions using the following keywords.

Python Keyword	Guni Keyword	Description
<code>try</code>	<code>Koshish</code>	Start a try block
<code>except</code>	<code>Iskealwa</code>	Catch an exception
<code>finally</code>	<code>Aakhri</code>	Finally block
<code>raise</code>	<code>Uthao</code>	Raise an exception

Example:

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```
Koshish:  
    dikha(5 / 0)  
Iskealwa ZeroDivisionGhalatError:  
    dikha("Cannot divide by zero")
```

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## Built-in Functions and Types

Here's a selection of key built-in functions and their Guni equivalents.

Python Keyword	Guni Keyword	Description
<code>len</code>	<code>KitnaLamba</code>	Length of a sequence

sum	Jod	Sum of elements
max	Zyada	Maximum of values
min	Kam	Minimum of values
int	int	Convert to integer
float	float	Convert to floating point number
list	list	List type
dict	dict	Dictionary type
range	range	Range of numbers

Example:

```
guni
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numbers = [1, 2, 3, 4, 5]
total = Jod(numbers)
dikha(total) # Output: 15
```

## Examples

### Basic Program

```
guni
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agar Sahi:
    dikha("Hello, Guni!")
```

### Conditional Check

```
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age = 20
agar age ZyadaHaiKya 18:
    dikha("Adult")
Warna:
    dikha("Minor")
```

### Loops and Functions

```
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```

```

setkarde count_to_five():
    Har i in range(5):
        dikha(i)

```

```
count_to_five()
```

## Using Error Handling

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Koshish:

```
value = int("not_a_number")
```

Iskealwa ValueError:

```
dikha("Invalid number!")
```

Python Keyword	Guni Keywords
abs	Aakaar
aiter	Aiterate
all	Sab
and	Aur
anext	AgleElement
any	Koi
ArithmeticError	MathsKharab
as	Jaise
ascii	ascii
assert	Pakki
AssertionError	GalatLogic
async	Jugadu
AttributeError	GalatProperty
await	Ruk
BaseException	AamException
BaseExceptionGroup	AamExceptionKaGroup
bin	Binary
BlockingIOError	InputOutputMeDikkat
bool	Dogla
break	Thamja

breakpoint	BreakKaro
BrokenPipeError	TodoPipeError
BufferError	BufferGhalat
build_class	ClassBanao
bytearray	ByteArray
bytes	bytes
BytesWarning	BytesWarning
callable	CallKarSaktaHai
ChildProcessError	BachaProcessError
chr	chr
class	Chukdi
classmethod	ClassMethod
compile	CompileKaro
complex	complex
ConnectionAbortedError	ConnectionKhatamError
ConnectionError	ConnectionGhalatError
ConnectionRefusedError	ConnectionNahiBana
ConnectionResetError	ConnectionResetError
continue	Chalu
copyright	copyright
credits	credits
debug	DebugMode
def	setkarde
del	Khatam
delattr	AttributeKhatamKaro
DeprecationWarning	DevaluationHoriSambhalJa
dict	dict
dir	dir
display	Dikhai
divmod	divmod
doc	Documentation
elif	WarnaAgar
Ellipsis	ChaloChalo

else	Warna
EncodingWarning	EncodingWarning
enumerate	Ginti
EnvironmentError	MaaholError
EOFError	EOFError
eval	SystemBaithao
except	Iskealwa
Exception	KhasError
ExceptionGroup	KhasErrorGroup
exec	ExecKaro
execfile	Filechala
FileExistsError	FileHiNahiHai
FileNotFoundError	FileNahiMili
filter	FilterKaro
finally	Aakhri
float	float
FloatingPointError	FloatingGhalatError
for	Har
format	format
from	Se
frozenset	frozenset
FutureWarning	AaneWalaWarning
GeneratorExit	GeneratorBandKaro
get_ipython	get_ipython
getattr	getattr
global	Sabka
globals	globals
hasattr	hasattr
hash	hash
help	Madad
hex	hex
id	id
if	Agar

import	Uthao
ImportError	ImportNahiHuaError
ImportWarning	ImportWarning
in	Andar
IndentationError	WordKoSahiJagahLikh
IndexError	IndexGhalatError
input	input
int	int
InterruptedError	RukaawatError
IOError	IOError
IPYTHON	IPythonHain
is	Hai
IsADirectoryError	DirectoryHaiError
isinstance	InstanceKyaHai
issubclass	SubClassHaiKya
iter	IterKarna
KeyboardInterrupt	KeyboardSeRukDiya
KeyError	MujheNahiMilaYe
lambda	Formula
len	KitnaLamba
license	license
list	list
loader	LoaderHai
locals	locals
LookupError	DekhneGhalatError
map	map
max	Zyada
MemoryError	YaadashGhalatError
memoryview	YaadashView
min	Kam
ModuleNotFoundError	ModuleNahiMilaError
name	NaamHai
NameError	NaamGalathai



next	Agla
None	kuchni
nonlocal	Bahar
not	Nahi
NotADirectoryError	DirectoryNahiHaiError
NotImplemented	AbhiNahiKiya
NotImplementedError	AbhiNahiKiyaError
object	Vastav
oct	oct
open	Khol
or	Ya
ord	UnicodeOrd
OSError	OSError
OverflowError	OverFlowGhalatError
package	PackageHai
pass	Chhod
PendingDeprecationWarning	AaneWalaPuranaWarning
PermissionError	YeNahiKarSakta
pow	Power
print	Dikha
ProcessLookupError	ProcessDekhNahiPayaError
property	property
raise	Uthao
range	range
RecursionError	RecursionGalatError
ReferenceError	ReferenceGhalatError
repr	repr
ResourceWarning	ResourceWarning
return	Wapas
reversed	Palatde
round	round
runfile	runfile
RuntimeError	RunKarteWaqtDikkat

RuntimeWarning	RuntimeWarning
set	set
setattr	AttributeBanao
slice	slice
sorted	sortkarde
spec	Specification
staticmethod	StaticMethod
StopAsyncIteration	AsyncRukawat
StopIteration	RukawatHona
str	str
sum	Jod
super	super
SyntaxError	SyntaxGhalatError
SyntaxWarning	SyntaxWarning
SystemError	SystemGhalatError
SystemExit	SystemExit
TabError	TabGhalatError
TimeoutError	TimeoutGhalatError
try	Koshish
tuple	tuple
type	type
TypeError	TypeGhalatError
UnboundLocalError	LocalNahiBoundError
UnicodeDecodeError	UnicodeDecodeGhalatError
UnicodeEncodeError	UnicodeEncodeGhalatError
UnicodeError	UnicodeGhalatError
UnicodeTranslateError	UnicodeTranslateGhalatError
UnicodeWarning	UnicodeWarning
UserWarning	UserWarning
ValueError	ValueGhalatError
vars	vars
Warning	Warning
while	Jabtak

with	Saath
yield	De
ZeroDivisionError	ZeroDivisionGhalatError
zip	Jodo
FALSE	Galat
TRUE	Sahi
>	Zyada Hai
<	Kam Hai
==	Same Hai
!=	Nahi Same Hai
>=	Zyada Hai Kya
<=	Kam Hai Kya