

Bondi Language Definition

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1 Introduction

TODO

2 Keywords

The following words are for bondi keywords and cannot be used as identifiers.

all	entry	let	spawn
and	eqcons	lin	super
as	ext	match	then
begin	extends	method	True
class	False	new	type
clone	for	newarray	Un
datatype	fun	of	view
do	if	rec	while
else	in	ref	with
end	lengthv	Ref	

3 Literals

Literal:

- IntegerLiteral
- HexIntegerLiteral
- FloatingPointerLiteral
- BooleanLiteral
- CharacterLiteral
- StringLiteral
- UnitLiteral

Examples:

```
~~ 1;;
~~ 0x10;;
~~ 1.165;;
~~ True;;
~~ False;;
~~ 'b';;
~~ "bondi";;
~~ Un;;
```

4 Special Symbols

!	.
\$	/
%	:
&	::
&&	<
*	=
+=	==
-	>
+	>>
-->	?
->	^

5 Shell Actions

```
%cd "<absolute path>"
%open "<filename>"
```

```
%hide infer
| declaration
| echo
| eval
| infer
| number
| parse
| prompt
| specialise
| types
```

```
%show infer
| declaration
```

```

| echo
| eval
| infer
| number
| parse
| prompt
| specialise
| types

%quit

```

6 Operations

6.1 String

capitalizestring	copystring	indexfromstring	makestring
concat	escapedstring	indexstring	rindexstring
containsfromstring	float2string	int2string	substring
containsstring	getcharstring	lengthstring	uppercasestring

6.2 Character Relational

```

greaterthanchar
greaterthanorequalchar
lessthanchar
lessthanorequalchar

```

6.3 Float

acos	cos	floor	negatefloat	sinh
asin	cosh	fmod	plusfloat	sqrt
atan	dividefloat	log	pow	tan
atan2	exponential	log10	randomfloat	tanh
ceil	fabs	minusfloat	sin	timesfloat

6.4 Float Relational

```

greaterthanfloat
greaterthanorequalfloat
lessthanfloat
lessthanorequalfloat

```

6.5 Integer

divideint
minusint
modint
negateint
plusint
randomint
timesint

6.6 Integer relational

greaterthanint
greaterthanorequalint
lessthanint
lessthanorequalint

6.7 Socket

acceptclient	opentcp
close	readall
gethost	readline
openfile	writeline
openserver	write

References