



The Pragmatic Language

Reference Manual

Copyright (c) 2022 J. Smith.

Permission is granted to copy, distribute and/or modify this document, provided this notice is kept.

<b>1 Bill Reference Manual</b>	<b>1</b>
<b>2 Class Index</b>	<b>3</b>
2.1 Class List	3
<b>3 File Index</b>	<b>5</b>
3.1 File List	5
<b>4 Class Documentation</b>	<b>7</b>
4.1 REPL Class Reference	7
4.1.1 Constructor & Destructor Documentation	7
4.1.1.1 ~REPL()	7
4.1.1.2 REPL() [1/3]	8
4.1.1.3 REPL() [2/3]	8
4.1.1.4 REPL() [3/3]	8
4.1.2 Member Function Documentation	8
4.1.2.1 evaluate()	8
4.1.2.2 getProduct()	8
4.1.2.3 loop()	8
4.1.2.4 operator=() [1/2]	9
4.1.2.5 operator=() [2/2]	9
4.1.2.6 print()	9
4.1.2.7 read()	9
<b>5 File Documentation</b>	<b>11</b>
5.1 /home/nekenyu/git/bill/dox/books/Reference_Manual/main_pdf.dox File Reference	11
5.2 /home/nekenyu/git/bill/src/compiler/main.cpp File Reference	11
5.2.1 Function Documentation	11
5.2.1.1 main()	12
5.3 /home/nekenyu/git/bill/src/compiler/repl/REPL.cpp File Reference	12
5.3.1 Function Documentation	12
5.3.1.1 operator<<()	12
5.4 /home/nekenyu/git/bill/src/compiler/repl/REPL.h File Reference	13
5.4.1 Function Documentation	13
5.4.1.1 operator<<()	14
<b>Index</b>	<b>15</b>



## **Chapter 1**

# **Bill Reference Manual**

## **Bill Reference Manual**

**Introduction** TBD...



## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

REPL . . . . .	7
----------------	---





## Chapter 3

# File Index

### 3.1 File List

Here is a list of all files with brief descriptions:

/home/nekenyu/git/bill/src/compiler/ <a href="#">main.cpp</a> . . . . .	11
/home/nekenyu/git/bill/src/compiler/repl/ <a href="#">REPL.cpp</a> . . . . .	12
/home/nekenyu/git/bill/src/compiler/repl/ <a href="#">REPL.h</a> . . . . .	13



## Chapter 4

# Class Documentation

### 4.1 REPL Class Reference

```
#include <REPL.h>
```

#### Public Member Functions

- [~REPL](#) ()
- [REPL](#) (std::istream &INSTREAM, std::ostream &OUTSTREAM, Evaluator &EVALUATOR)
- [REPL](#) (const [REPL](#) &rhs)=delete
- [REPL](#) ([REPL](#) &&)=delete
- [REPL](#) & [operator=](#) (const [REPL](#) &rhs)
- [REPL](#) & [operator=](#) ([REPL](#) &&rhs)
- void [loop](#) ()
- std::string [getProduct](#) () const

#### Protected Member Functions

- void [read](#) ()
- void [evaluate](#) ()
- void [print](#) ()

#### 4.1.1 Constructor & Destructor Documentation

##### 4.1.1.1 ~REPL()

```
REPL::~~REPL ( )
```

#### 4.1.1.2 REPL() [1/3]

```
REPL::REPL (
    std::istream & INSTREAM,
    std::ostream & OUTSTREAM,
    Evaluator & EVALUATOR )
```

#### 4.1.1.3 REPL() [2/3]

```
REPL::REPL (
    const REPL & rhs ) [delete]
```

#### 4.1.1.4 REPL() [3/3]

```
REPL::REPL (
    REPL && ) [delete]
```

### 4.1.2 Member Function Documentation

#### 4.1.2.1 evaluate()

```
void REPL::evaluate ( ) [protected]
```

#### 4.1.2.2 getProduct()

```
std::string REPL::getProduct ( ) const [inline]
```

#### 4.1.2.3 loop()

```
void REPL::loop ( )
```

#### 4.1.2.4 operator=() [1/2]

```
REPL& REPL::operator= (
    const REPL & rhs )
```

#### 4.1.2.5 operator=() [2/2]

```
REPL& REPL::operator= (
    REPL && rhs )
```

#### 4.1.2.6 print()

```
void REPL::print ( ) [protected]
```

#### 4.1.2.7 read()

```
void REPL::read ( ) [protected]
```

The documentation for this class was generated from the following files:

- /home/nekenyu/git/bill/src/compiler/repl/[REPL.h](#)
- /home/nekenyu/git/bill/src/compiler/repl/[REPL.cpp](#)



## Chapter 5

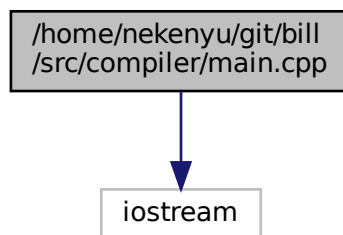
# File Documentation

### 5.1 `/home/nekenyu/git/bill/dox/books/Reference_Manual/main_pdf.dox` File Reference

### 5.2 `/home/nekenyu/git/bill/src/compiler/main.cpp` File Reference

```
#include <iostream>
```

Include dependency graph for main.cpp:



## Functions

- `int main (int argc, char **argv)`

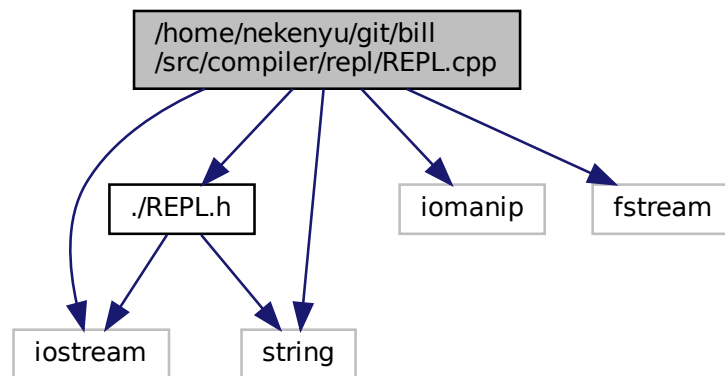
### 5.2.1 Function Documentation

### 5.2.1.1 main()

```
int main (
    int argc,
    char ** argv )
```

## 5.3 /home/nekenyu/git/bill/src/compiler/repl/REPL.cpp File Reference

```
#include "../REPL.h"
#include <iomanip>
#include <iostream>
#include <fstream>
#include <string>
Include dependency graph for REPL.cpp:
```



## Functions

- `std::ostream & operator<< (std::ostream &os, const REPL &rhs)`

### 5.3.1 Function Documentation

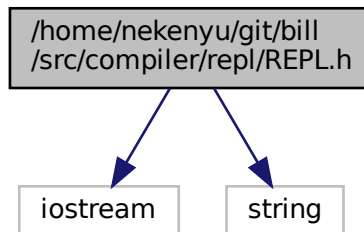
#### 5.3.1.1 operator<<()

```
std::ostream& operator<< (
    std::ostream & os,
    const REPL & rhs )
```

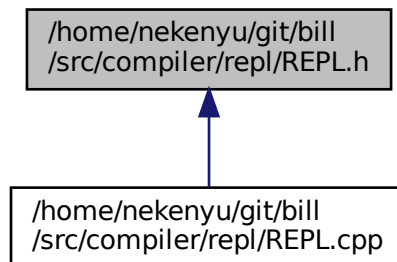


## 5.4 /home/nekenyu/git/bill/src/compiler/repl/REPL.h File Reference

```
#include <iostream>
#include <string>
Include dependency graph for REPL.h:
```



This graph shows which files directly or indirectly include this file:



### Classes

- class [REPL](#)

### Functions

- `std::ostream & operator<< (std::ostream &os, const REPL &rhs)`

#### 5.4.1 Function Documentation

#### 5.4.1.1 `operator<<()`

```
std::ostream& operator<< (  
    std::ostream & os,  
    const REPL & rhs )
```

# Index

/home/nekenyu/git/bill/dox/books/Reference\_Manual/main\_pdf.dox,  
11

/home/nekenyu/git/bill/src/compiler/main.cpp, 11

/home/nekenyu/git/bill/src/compiler/repl/REPL.cpp, 12

/home/nekenyu/git/bill/src/compiler/repl/REPL.h, 13

~REPL

REPL, 7

evaluate

REPL, 8

getProduct

REPL, 8

loop

REPL, 8

main

main.cpp, 11

main.cpp

main, 11

operator<<

REPL.cpp, 12

REPL.h, 13

operator=

REPL, 8, 9

print

REPL, 9

read

REPL, 9

REPL, 7

~REPL, 7

evaluate, 8

getProduct, 8

loop, 8

operator=, 8, 9

print, 9

read, 9

REPL, 7, 8

REPL.cpp

operator<<, 12

REPL.h

operator<<, 13