JavaScript is disabled on your browser.

spim

Class SPIM

- java.lang.Object
  - spim.SPIM

```
public class SPIM
extends Object
```

This is a Java wrapper class for the SPIM runtime object SPIM.s. Any j-- program that's compiled for the SPIM target must import this class for (file and console) IO operations. Note that the functions have no implementations here which means that if the programs using this class are compiled using j--, they will compile fine but won't function as desired when run against the JVM. Such programs must be compiled using the j-- compiler for the SPIM target and must be run against the SPIM simulator.

- **Constructor Summary**

Constructors
Constructor and Description
SPIM()

- **Method Summary**

Methods	
Modifier and Type	Method and Description
static void	close(int fd)

		Wrapper for SPIM.close().
static void	**exit**()	
	Wrapper for SPIM.exit().	
static void	**exit2**(int status)	
	Wrapper for SPIM.exit2().	
static int	**open**(String filename, int flags, int mode)	
	Wrapper for SPIM.open().	
static void	**printChar**(char value)	
	Wrapper for SPIM.printChar().	
static void	**printDouble**(double value)	
	Wrapper for SPIM.printDouble().	
static void	**printFloat**(float value)	
	Wrapper for SPIM.printFloat().	
static void	**printInt**(int value)	
	Wrapper for SPIM.printInt().	
static void	**printString**(String value)	
	Wrapper for SPIM.printString().	
static String	**read**(int fd, int length)	
	Wrapper for SPIM.read().	
static char	**readChar**()	
	Wrapper for SPIM.readChar().	
static double	**readDouble**()	
	Wrapper for SPIM.readDouble().	
static float	**readFloat**()	
	Wrapper for SPIM.readFloat().	
static int	**readInt**()	
	Wrapper for SPIM.readInt().	
static String	**readString**(int length)	
	Wrapper for SPIM.readString().	
static int	**write**(int fd, String buffer, int length)	
	Wrapper for SPIM.write().	

- **Methods inherited from class java.lang.Object**

  clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- **Constructor Detail**

  - **SPIM**

  publicSPIM()

- **Method Detail**

  - **printInt**

  public staticvoidprintInt(intvalue)

Wrapper for SPIM.printInt().

- **printFloat**

```
public staticvoidprintFloat(floatvalue)
```

Wrapper for SPIM.printFloat().

- **printDouble**

```
public staticvoidprintDouble(doublevalue)
```

Wrapper for SPIM.printDouble().

- **printString**

```
public staticvoidprintString(Stringvalue)
```

Wrapper for SPIM.printString().

- **printChar**

```
public staticvoidprintChar(charvalue)
```

Wrapper for SPIM.printChar().

- **readInt**

```
public staticintreadInt()
```

Wrapper for SPIM.readInt().

- **readFloat**

```
public staticfloatreadFloat()
```

Wrapper for SPIM.readFloat().

- **readDouble**

```
public staticdoublereadDouble()
```

Wrapper for SPIM.readDouble().

- **readString**

```
public staticStringreadString(intlength)
```

Wrapper for SPIM.readString().

- **readChar**

```
public staticcharreadChar()
```

Wrapper for SPIM.readChar().

- **open**

```
public staticintopen(Stringfilename,
        intflags,
        intmode)
```

Wrapper for SPIM.open().

- **read**

```
public staticStringread(intfd,
        intlength)
```

Wrapper for SPIM.read().

- **write**

```
public staticintwrite(intfd,
        Stringbuffer,
        intlength)
```

Wrapper for SPIM.write().

- **close**

```
public staticvoidclose(intfd)
```

Wrapper for SPIM.close().

- **exit**

```
public staticvoidexit()
```

Wrapper for SPIM.exit().

- **exit2**

```
public staticvoidexit2(intstatus)
```

Wrapper for SPIM.exit2().