Interface java.io.DataInput

public interface **DataInput**
extends Object

DataInput is an interface describing streams that can read inputn in a
machine–independent format.

See Also:
        DataInputStream, DataOutput
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Reads an unsigned 16 bit short.
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Skips bytes, block until all bytes are skipped.

Methods

o **readFully**

```
public abstract void readFully(byte b[]) throws IOException
```

Reads bytes, blocking until all bytes are read.
Parameters:
b – the buffer into which the data is read
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readFully**

```
public abstract void readFully(byte b[],
                               int off,
                               int len) throws IOException
```

Reads bytes, blocking until all bytes are read.
Parameters:
b – the buffer into which the data is read
off – the start offset of the data
len – the maximum number of bytes to read
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **skipBytes**

```
public abstract int skipBytes(int n) throws IOException
```

Skips bytes, block until all bytes are skipped.
Parameters:
n – the number of bytes to be skipped
Returns:
the actual number of bytes skipped.
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readBoolean**

```
public abstract boolean readBoolean() throws IOException
```

Reads in a boolean.
Returns:
the boolean read.
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readByte**

```
public abstract byte readByte() throws IOException
```

Reads an 8 bit byte.
Returns:
the 8 bit byte read.
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readUnsignedByte**

```
public abstract int readUnsignedByte() throws IOException
```

Reads an unsigned 8 bit byte.
Returns:
the 8 bit byte read.
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readShort**

```
public abstract short readShort() throws IOException
```

Reads 16 bit short.
Returns:
the read 16 bit short.
Throws: EOFException
If end of file is reached.
Throws: IOException
If other I/O error has occurred.

o **readUnsignedShort**

```
public abstract int readUnsignedShort() throws IOException
```

Reads an unsigned 16 bit short.
Returns:
 the read 16 bit short.
Throws: EOFException
 If end of file is reached.
Throws: IOException
 If other I/O error has occurred.

o **readChar**

```
public abstract char readChar() throws IOException
```

Reads a 16 bit char.
Returns:
 the read 16 bit char.
Throws: EOFException
 If end of file is reached.
Throws: IOException
 If other I/O error has occurred.

o **readInt**

```
public abstract int readInt() throws IOException
```

Reads a 32 bit int.
Returns:
 the read 32 bit integer.
Throws: EOFException
 If end of file is reached.
Throws: IOException
 If other I/O error has occurred.

o **readLong**

```
public abstract long readLong() throws IOException
```

Reads a 64 bit long.
Returns:
 the read 64 bit long.
Throws: EOFException
 If end of file is reached.
Throws: IOException
 If other I/O error has occurred.

o **readFloat**

```
public abstract float readFloat() throws IOException
```

>Reads a 32 bit float.
>**Returns:**
>>the read 32 bit float.
>
>**Throws:** EOFException
>>If end of file is reached.
>
>**Throws:** IOException
>>If other I/O error has occurred.

o **readDouble**

```
public abstract double readDouble() throws IOException
```

>Reads a 64 bit double.
>**Returns:**
>>the read 64 bit double.
>
>**Throws:** EOFException
>>If end of file is reached.
>
>**Throws:** IOException
>>If other I/O error has occurred.

o **readLine**

```
public abstract String readLine() throws IOException
```

o **readUTF**

```
public abstract String readUTF() throws IOException
```