PipedInputStream class:

This is a predefined class inside java.io package that makes it possible to read the contents of a pipe as a stream of bytes.

Pipes are communication channels between Threads inside the same JVM.

PipedInputStream:

InputStream inputStream = new PipedInputStream(pipedOutputStream);

int x = inputStream.read();

while(x!=-1){

//write some code to work on the data

X = inputStream.read();

}

inputStream.close();

PipedOutputStream:

This class will make it possible to write a java Pipe stream of Bytes.Pipes are the communication between threads running in the same JVM.

OutputStream outputStream = new PipedOutputStream(pipedInputStream);

while(//there is more data){

//read the data

outputStream.write();

}

import java.io.IOException;

import java.io.PipedInputStream;

import java.io.PipedOutputStream;

import java.nio.charset.StandardCharsets;

public class PipeDemo {

public static void main(String args[]) throws IOException {

final PipedOutputStream output = new PipedOutputStream();

final PipedInputStream input = new PipedInputStream(output);

Thread thread1 = new Thread(new Runnable() {

@Override

public void run() {

try {

output.write("Hello Pipe".getBytes());

} catch (IOException e) {

}

}

});

Thread thread2 = new Thread(new Runnable() {

@Override

public void run() {

try {

int x = input.read();

while ( x !=-1) {

System.*out*.print((char)x);

x = input.read();

}

} catch (IOException e) {

}

}

});

thread1.start();

thread2.start();

}

}