declaration
PrintStream ps = new PrintStream(new FileOutputStream("output.txt"));

method_call
System.setOut(ps);

method_call
System.setIn(new FileInputStream("input.txt"));

declaration
BufferedReader reader = new BufferedReader(new InputStreamReader(System.in));

declaration
String line;

loop
while ((line = reader.readLine()) != null) {

method_call
System.out.println("read from the file " + line);

declaration
PipedOutputStream pout = new PipedOutputStream();

declaration
PipedInputStream pin = new PipedInputStream();

method_call
pout.connect(pin);

thread
Thread producer = new Thread(() -> {

try_catch
try {

method_call
pout.write("Hello from one thread to another!".getBytes());

method_call
pout.close();

end
});

thread
Thread consumer = new Thread(() -> {

try_catch
try {

declaration
int data = pin.read();

loop
while (data != -1) {

method_call
System.out.print((char) data);

assignment
data = pin.read();

end
}

method_call
pin.close();

end
});

method_call
producer.start();

method_call
consumer.start();

catch
} catch (IOException e) {

method_call
e.printStackTrace();

catch
} catch (IOException e) {

method_call
e.printStackTrace();