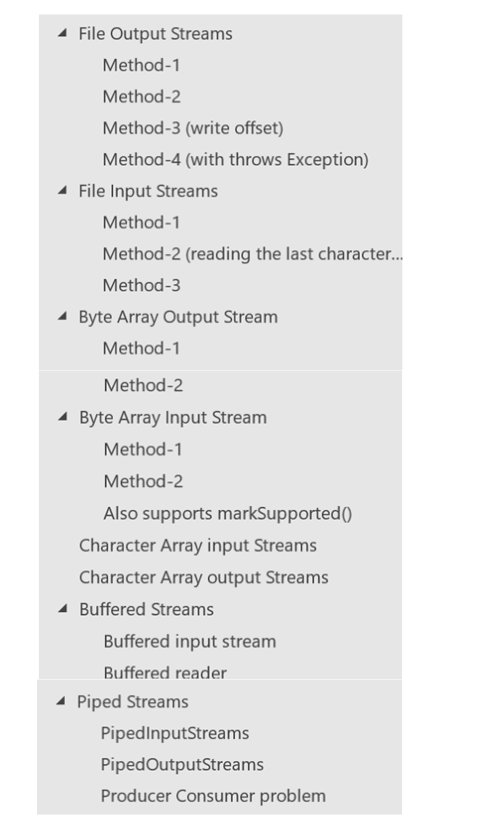
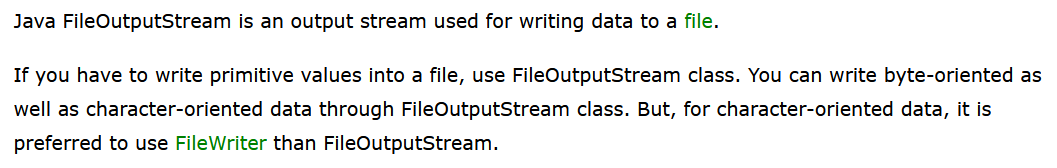
**Java Programming Theory Assignment** Prashanth.S   
 (19MID0020)

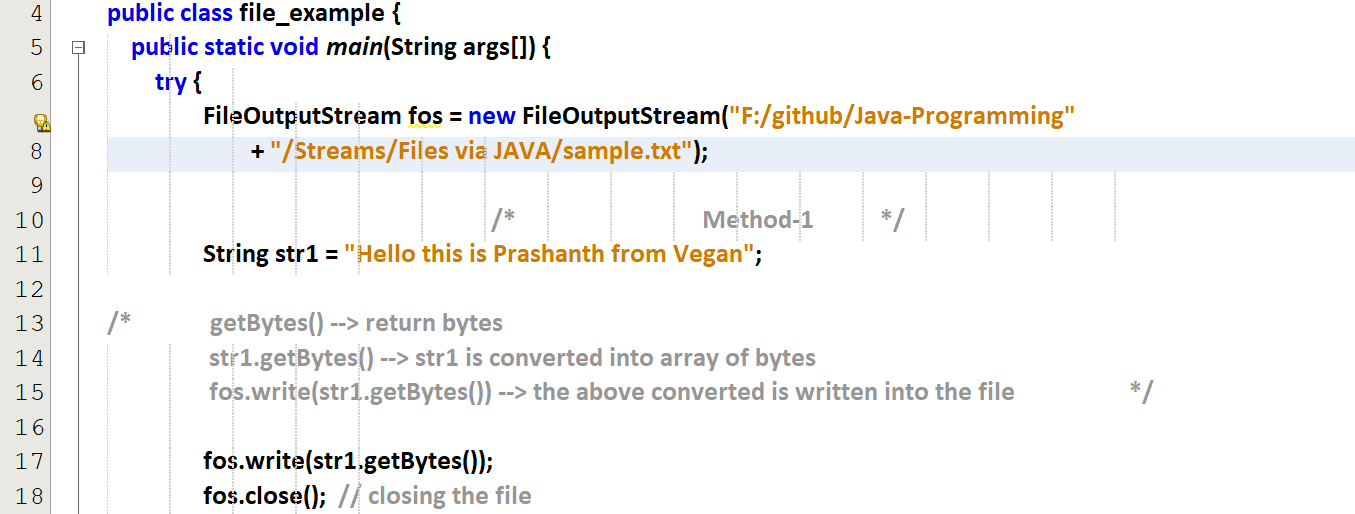
**Question 🡪 Streams and I/O**  
**My assignment complete work-flow**  


# **File Output Streams**

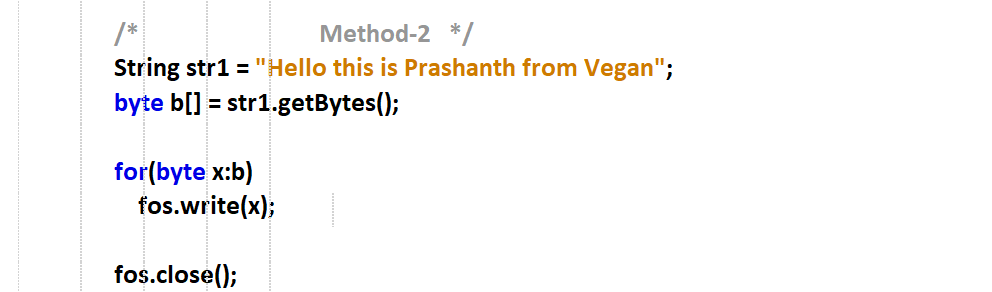


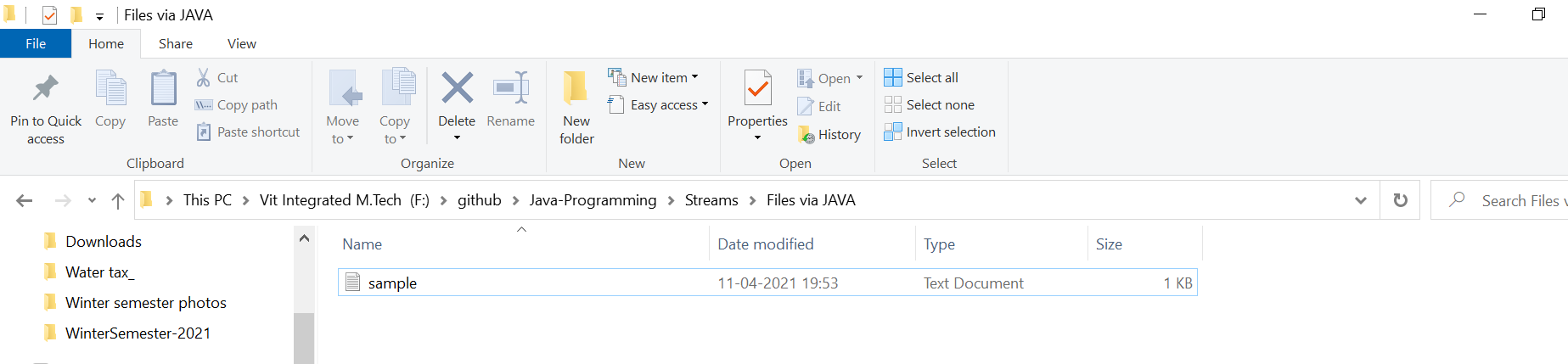
* Create a Test.txt file.
* Using fileOutputStream/FileReader write the contents into the Test.txt
* Using fileInputStream/FileWriter read the contents from Test.txt

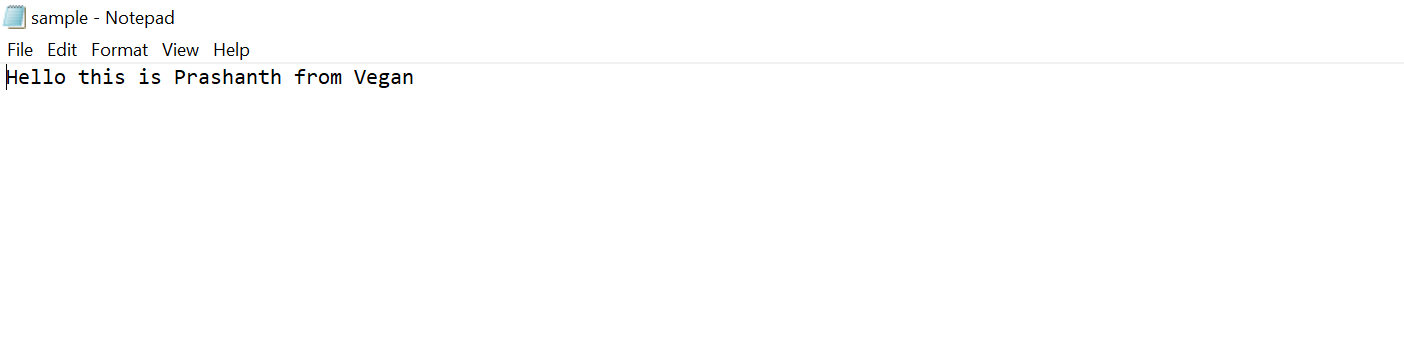
## **Method-1**



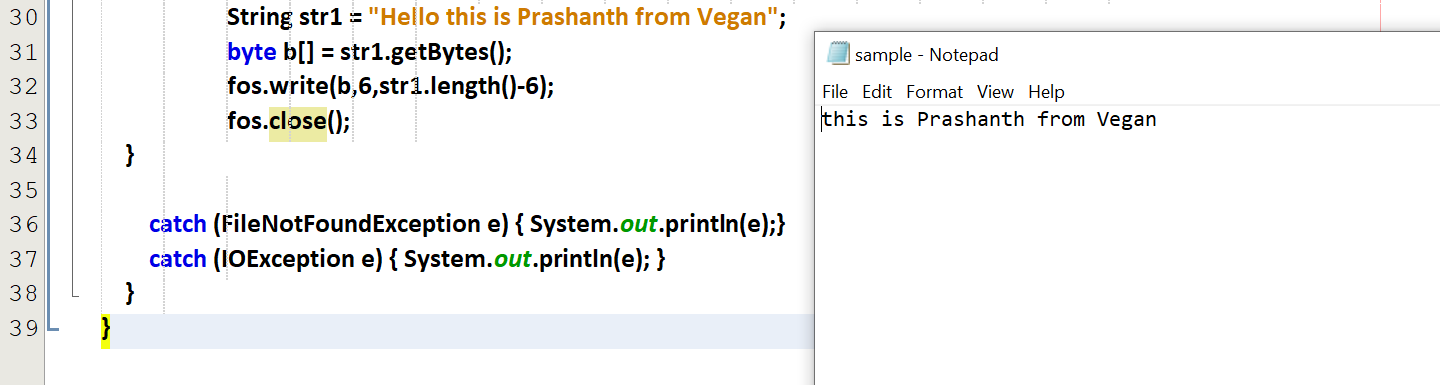
## **Method-2**



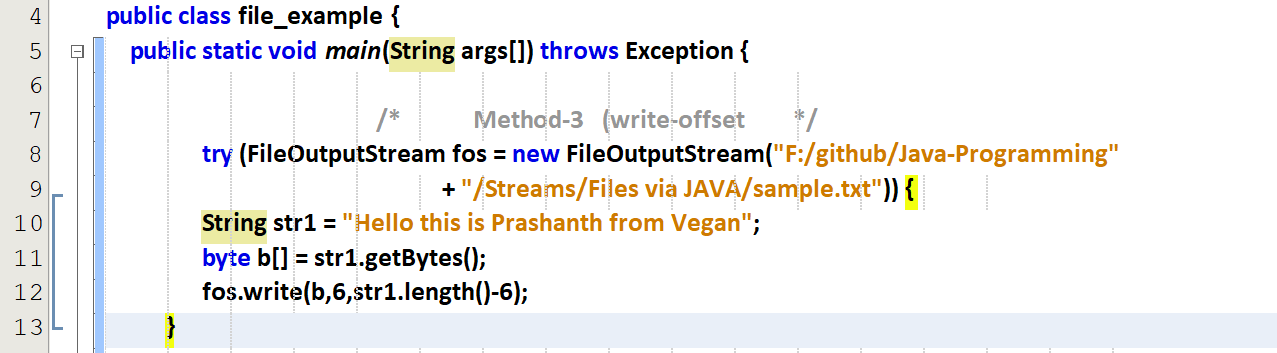
Output 



## **Method-3 (write offset)**



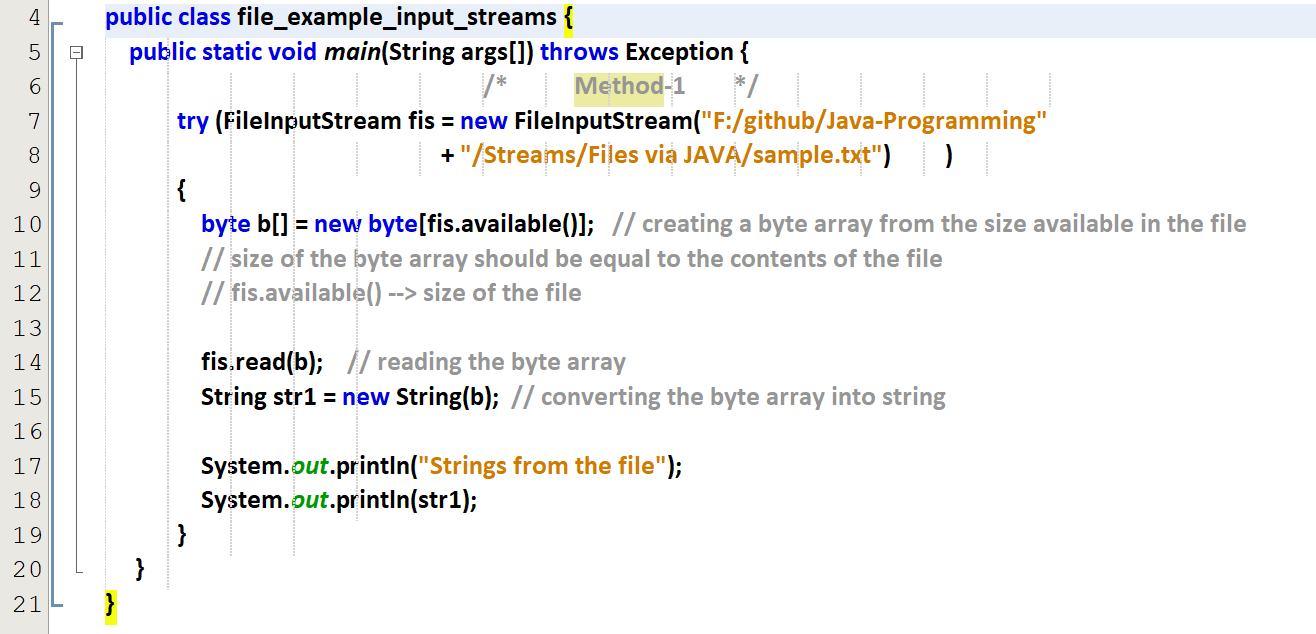
## **Method-4 (with throws Exception)**



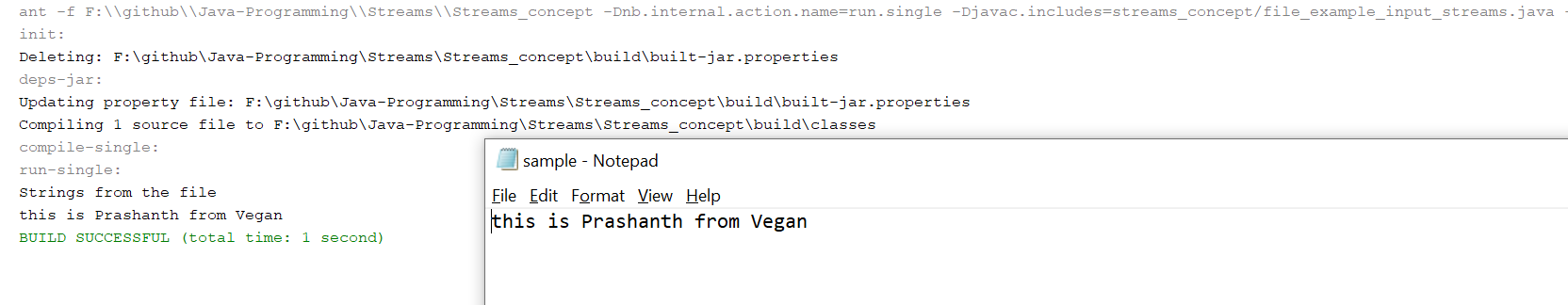
Who will handle this exception 🡪 JVM  
throws in Main will be handled by main()

# **File Input Streams**

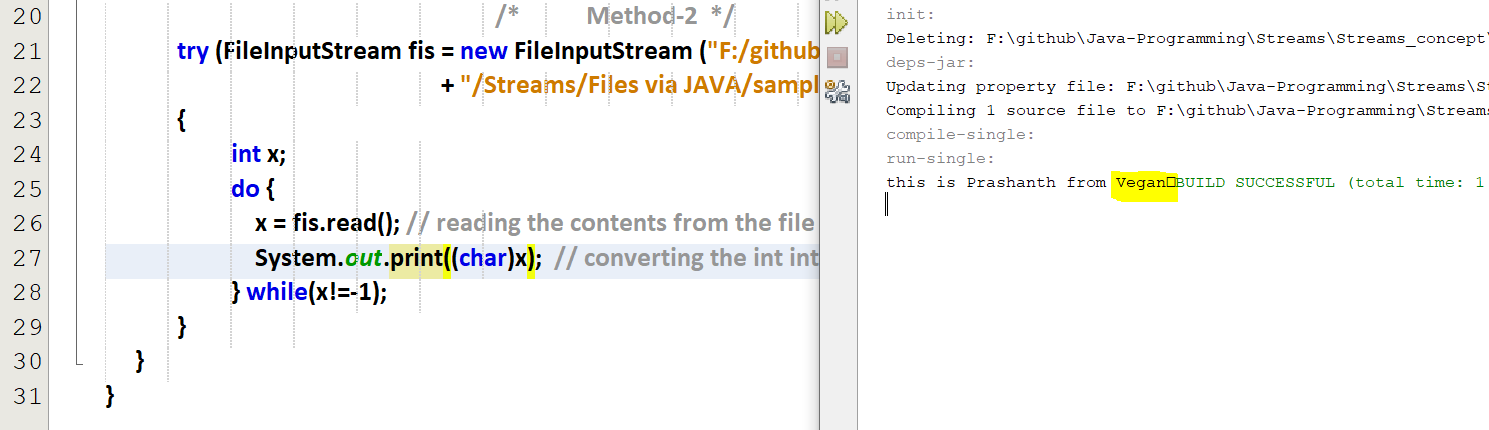
## **Method-1**



Output



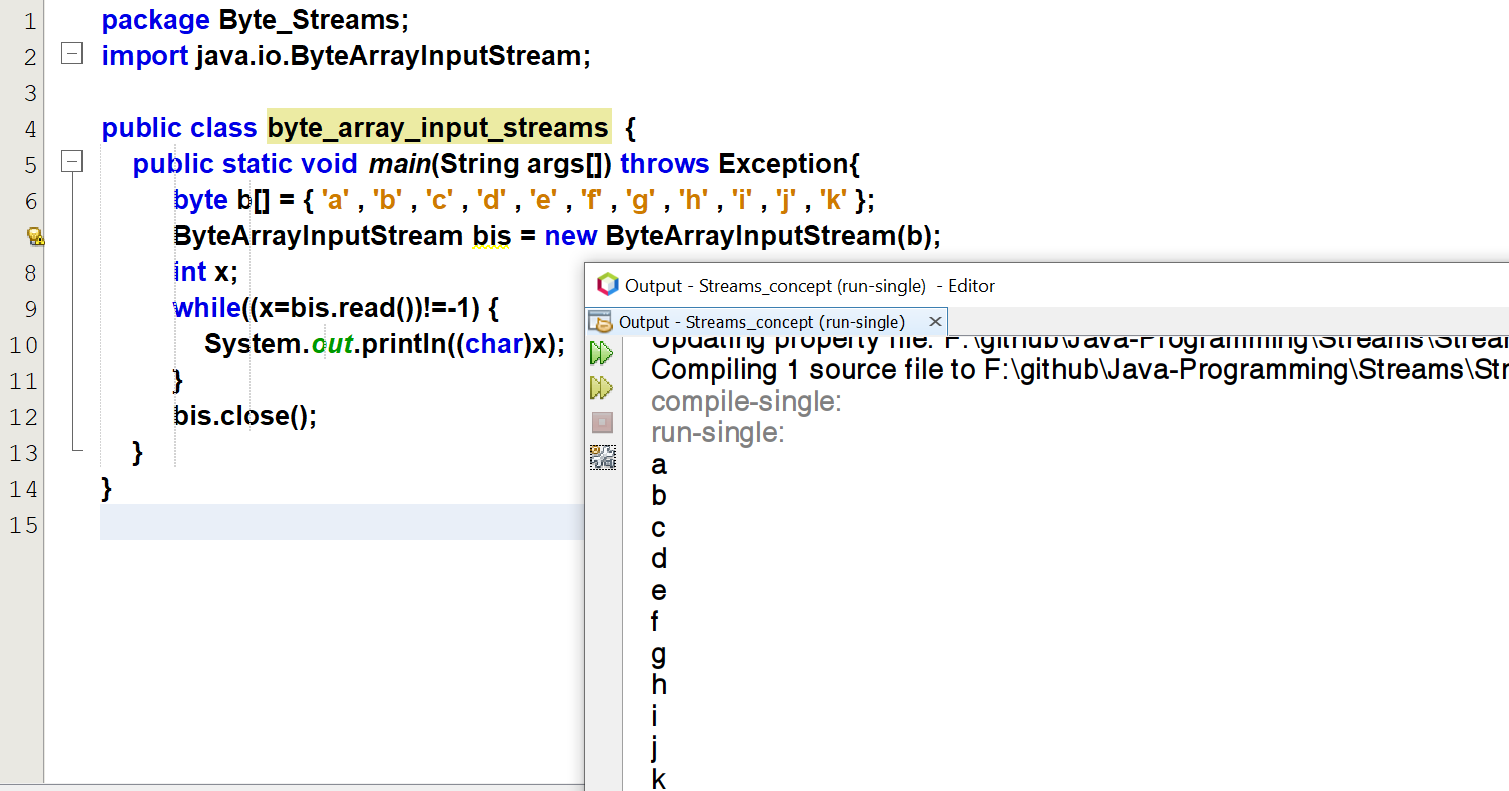
## **Method-2 (reading the last character also)**



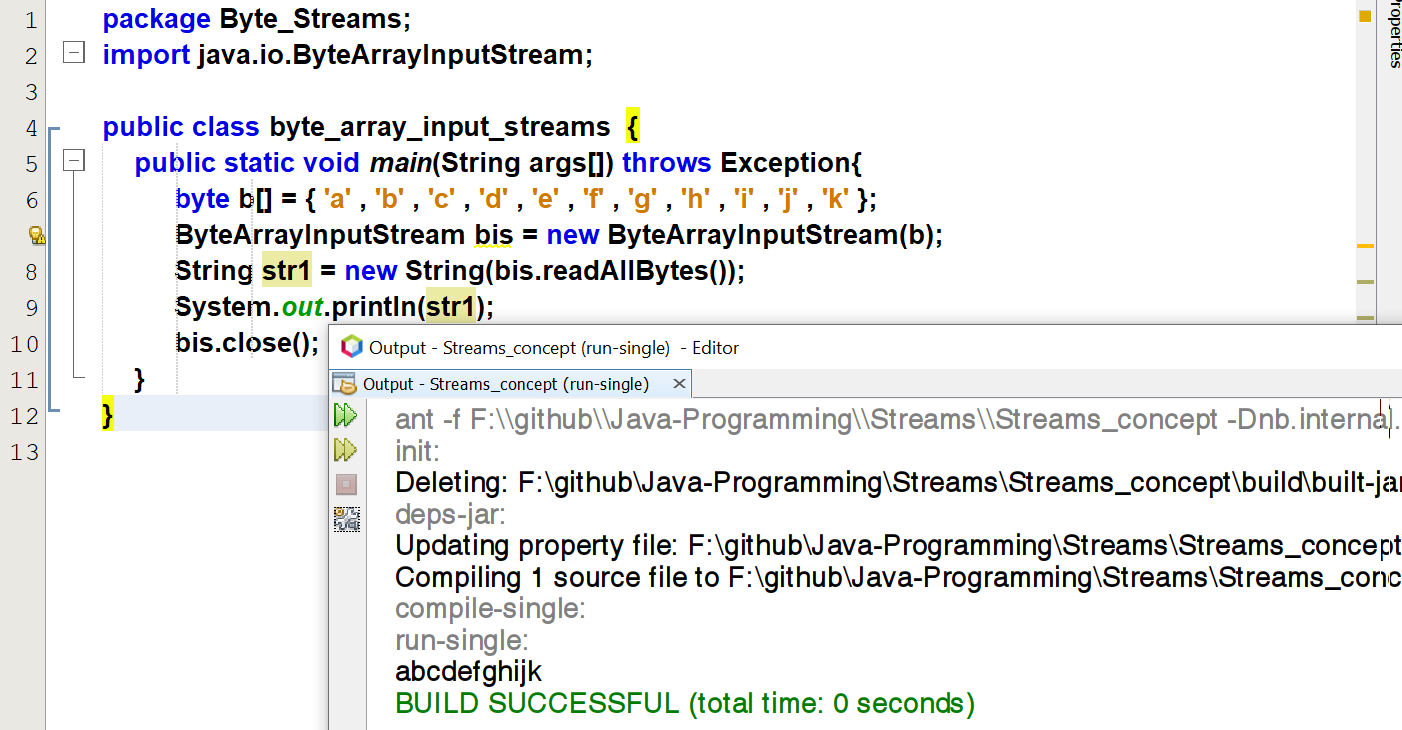
## **Method-3**

# **Byte Array Output Stream**

## **Method-1**

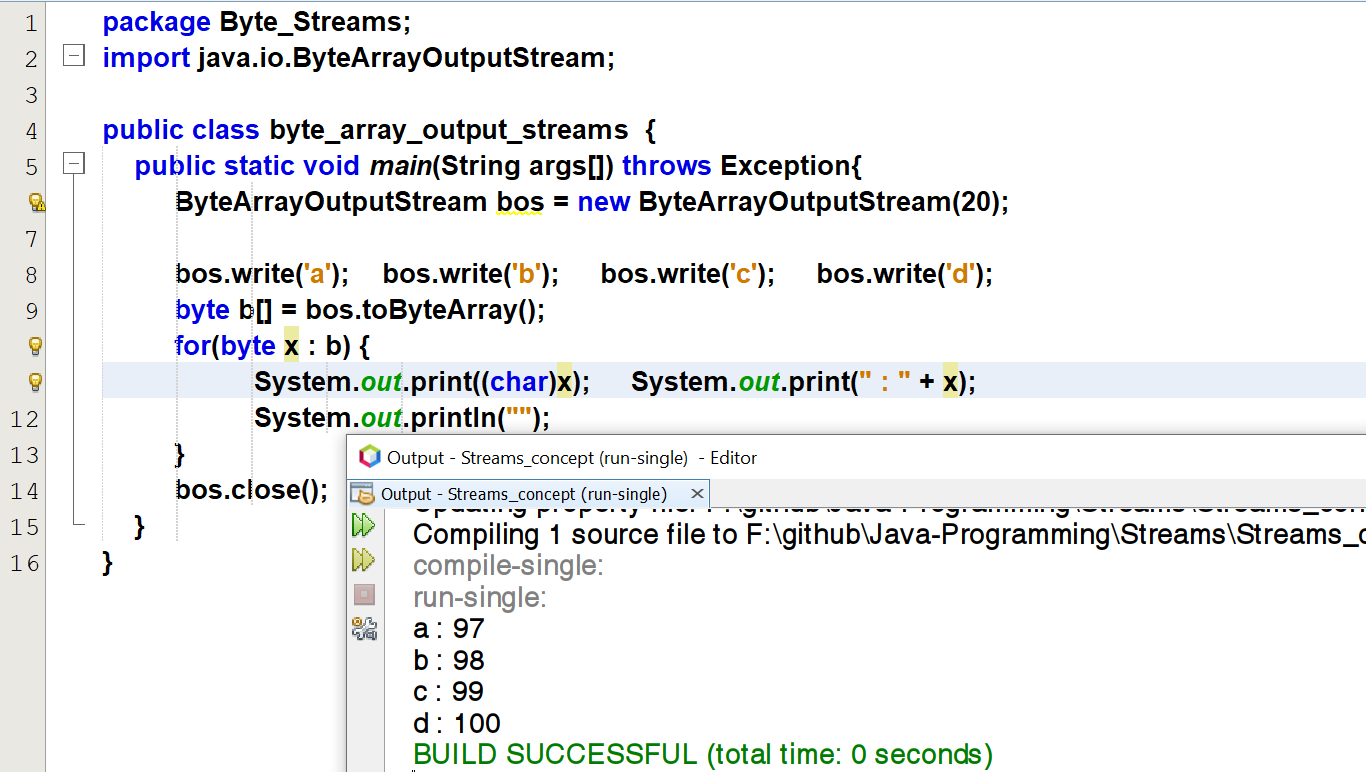


## **Method-2**



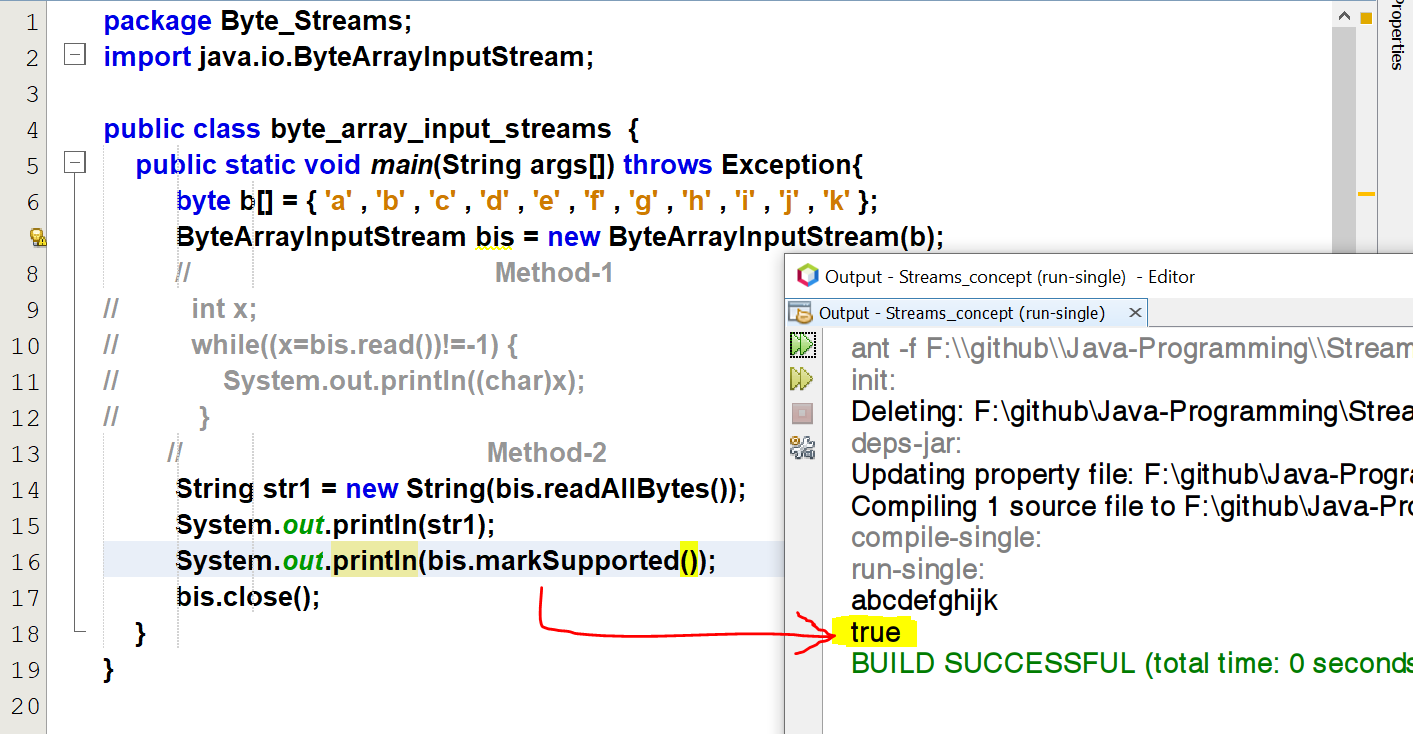
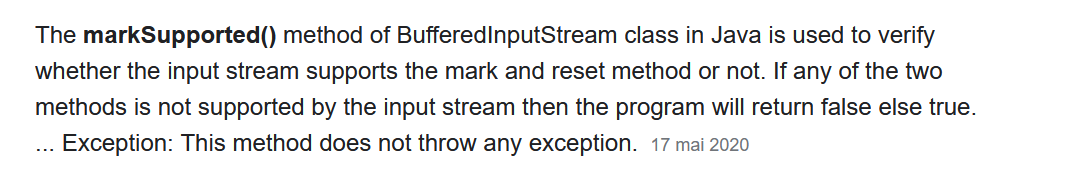
# **Byte Array Input Stream**

## **Method-1**

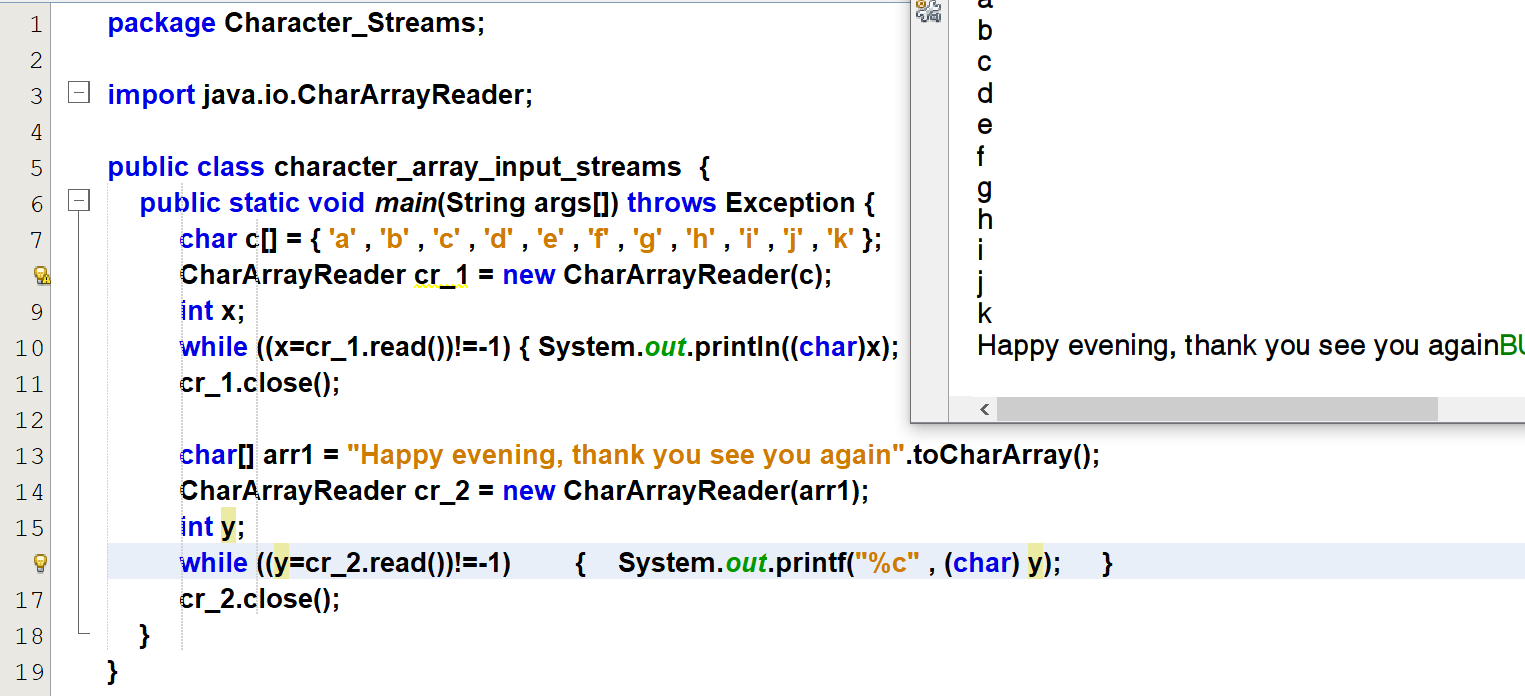


## **Method-2**

## **Also supports markSupported()**

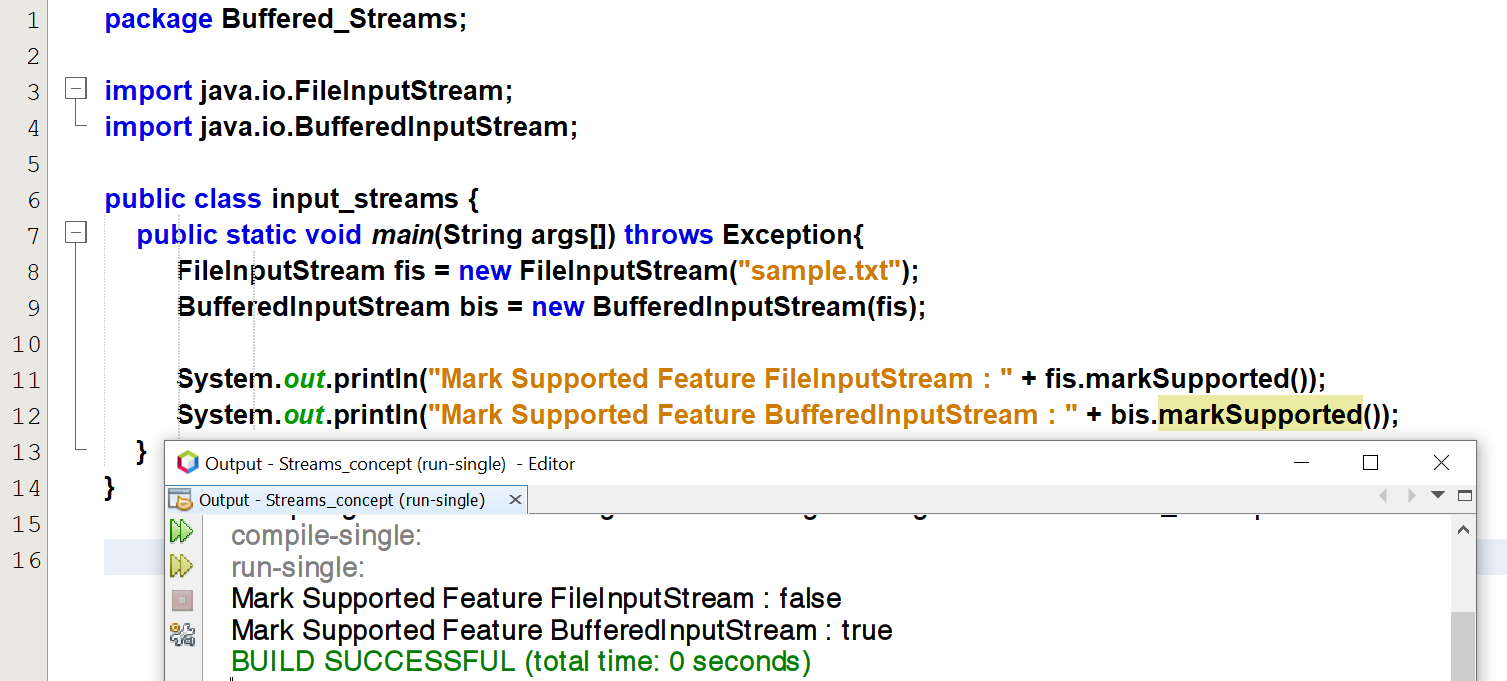


# **Character Array input Streams**

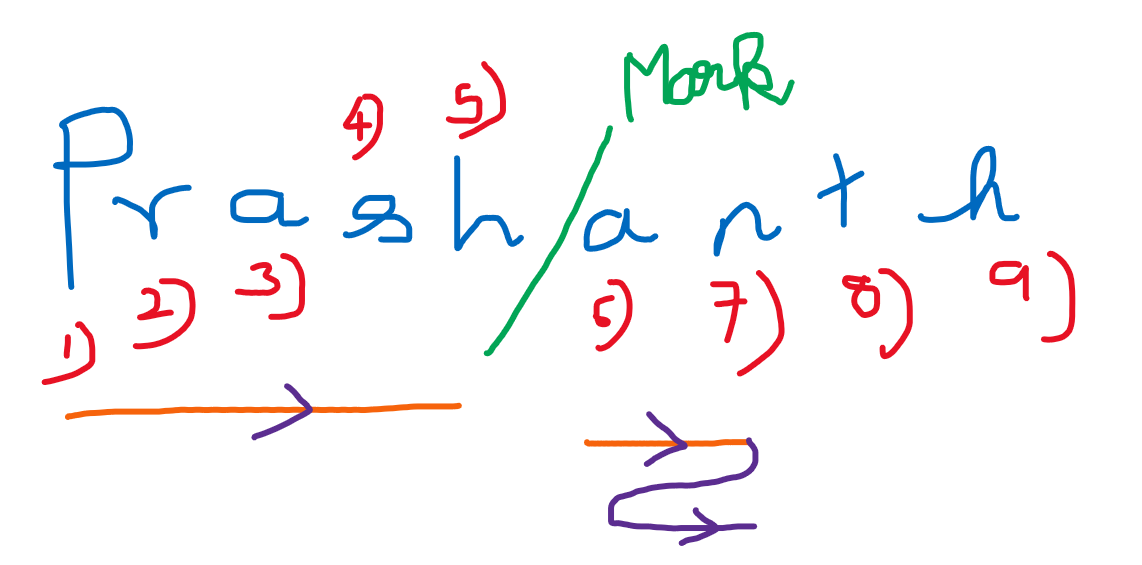
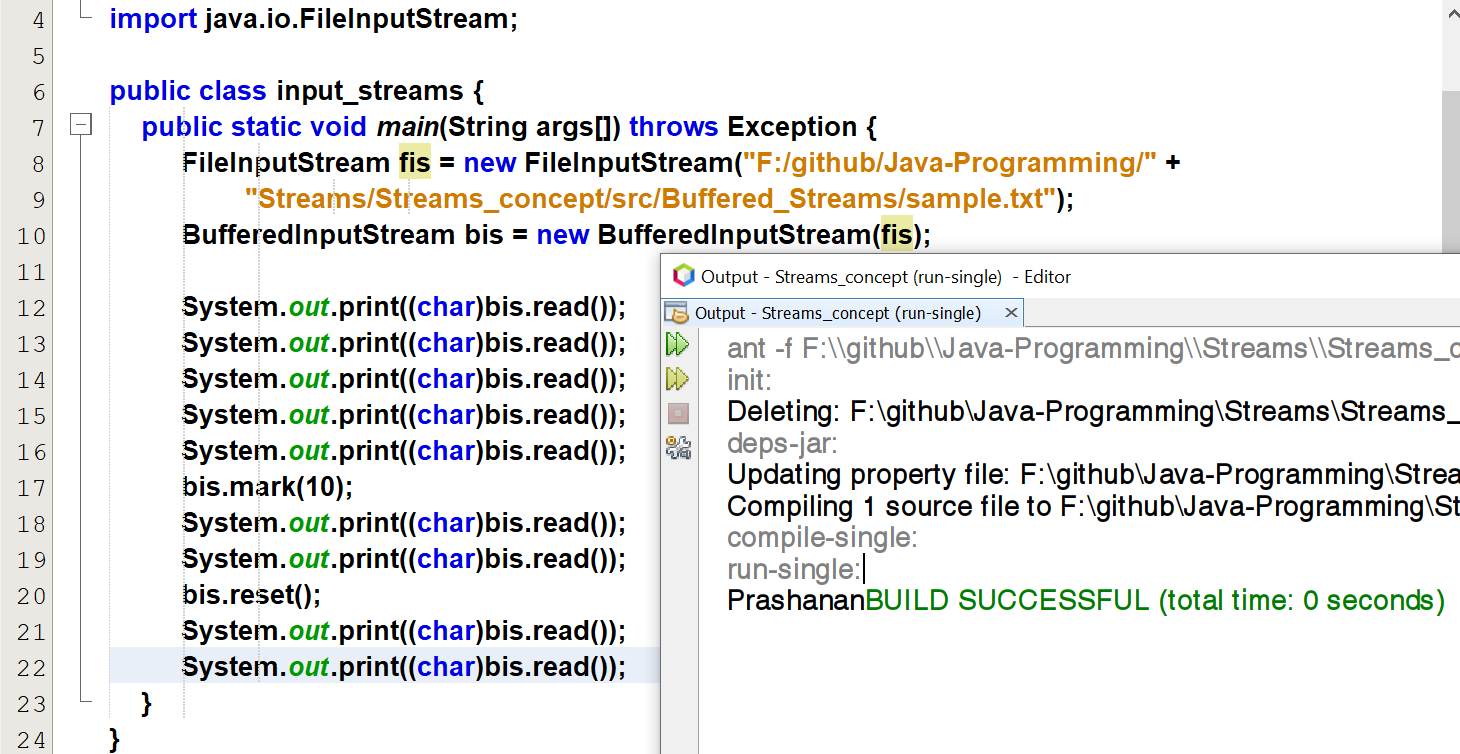


# **Character Array output Streams**

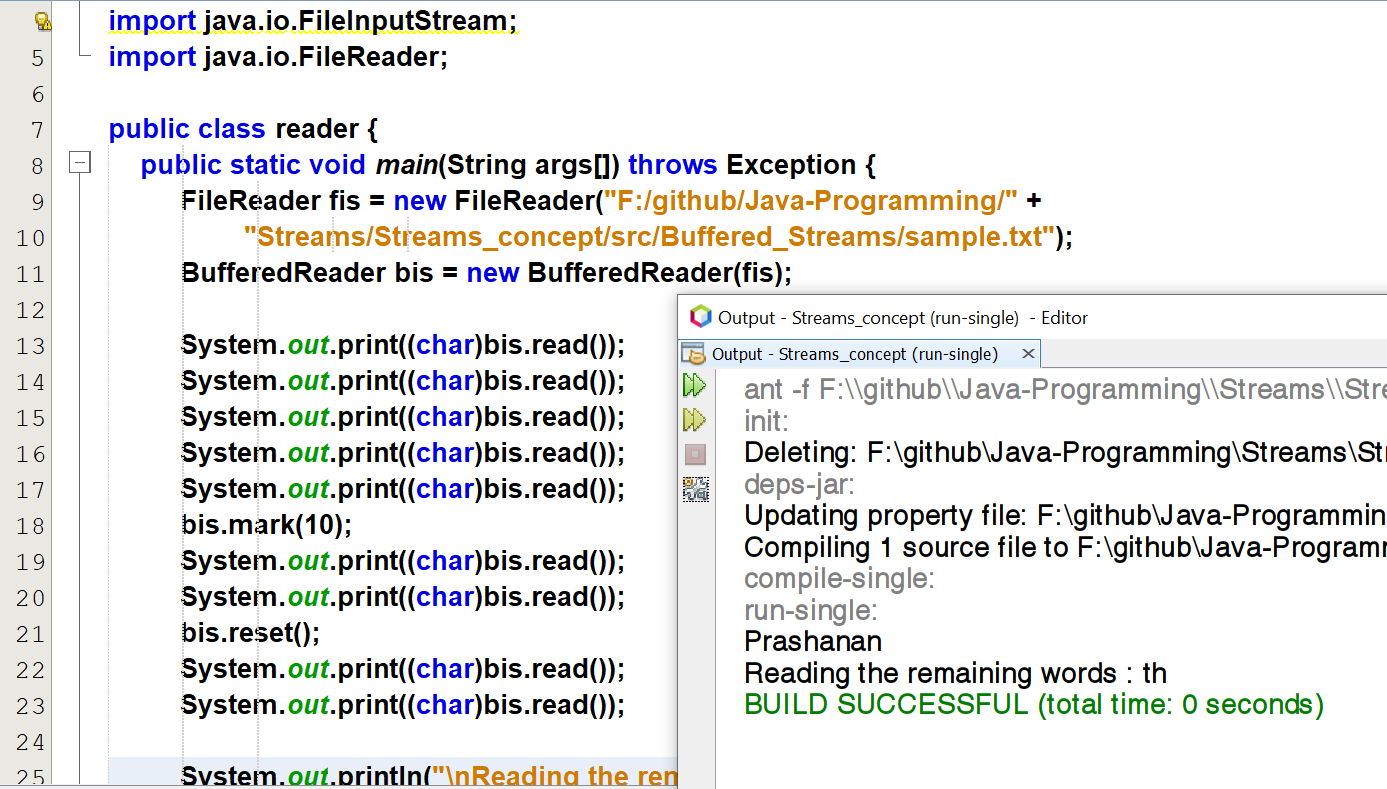
# **Buffered Streams**



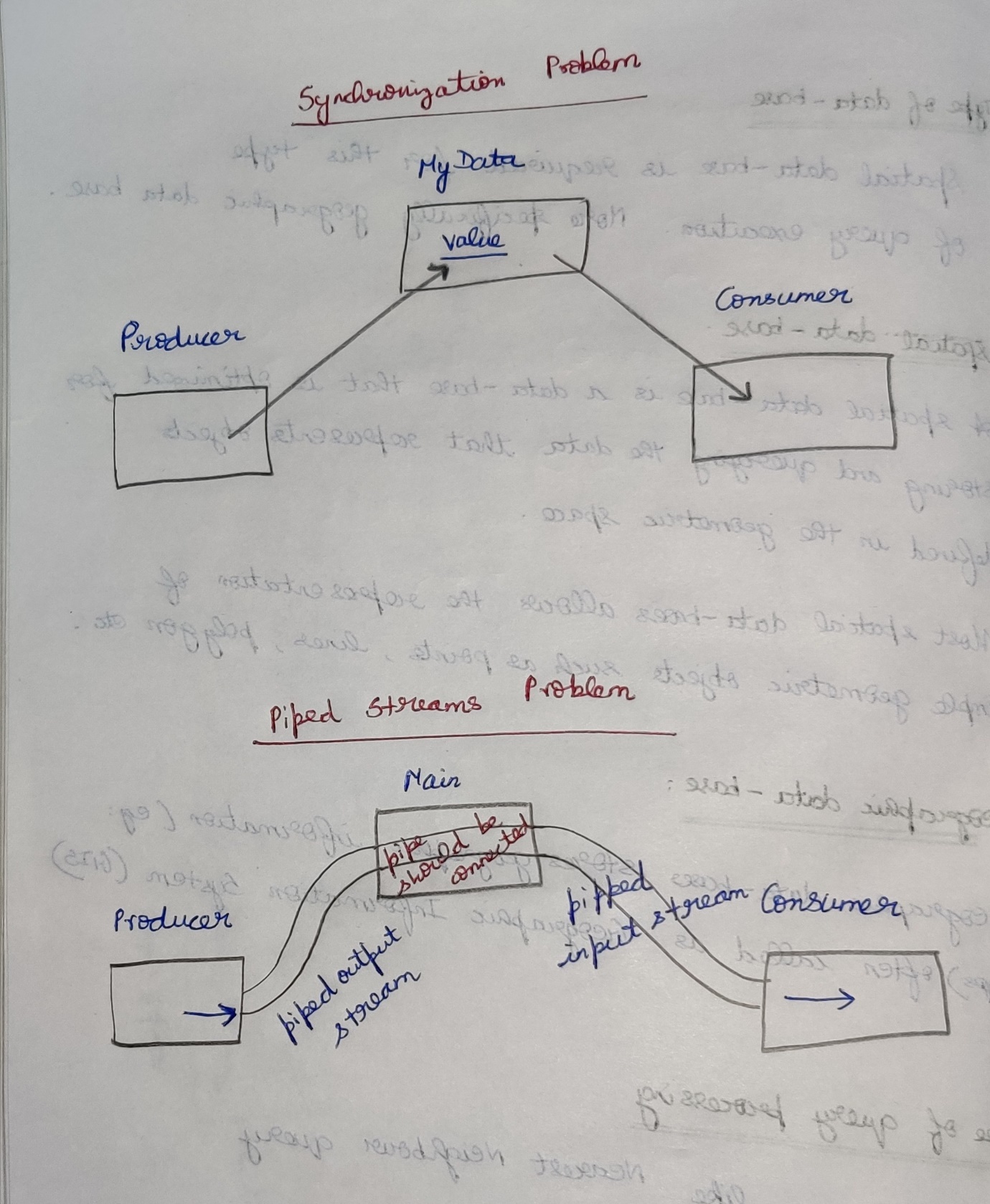
## **Buffered input stream**

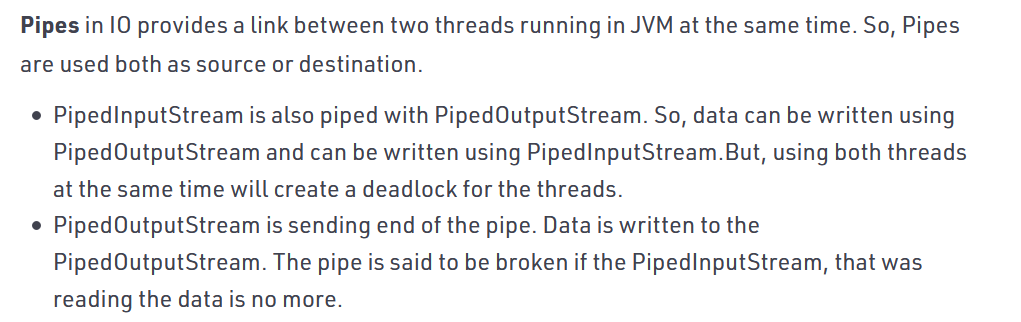


## **Buffered reader**

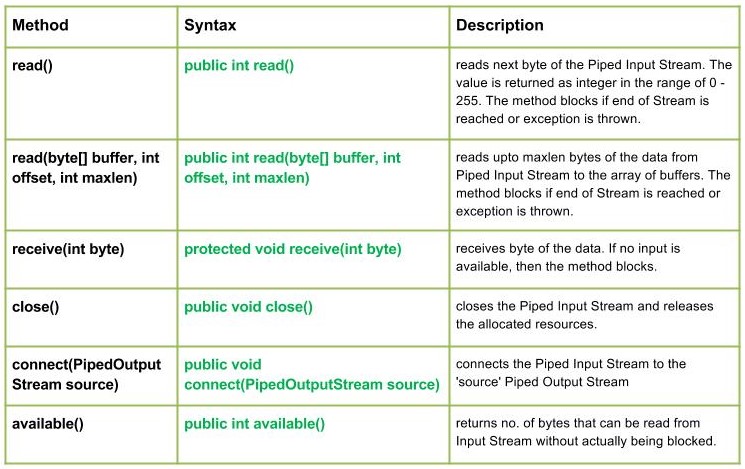


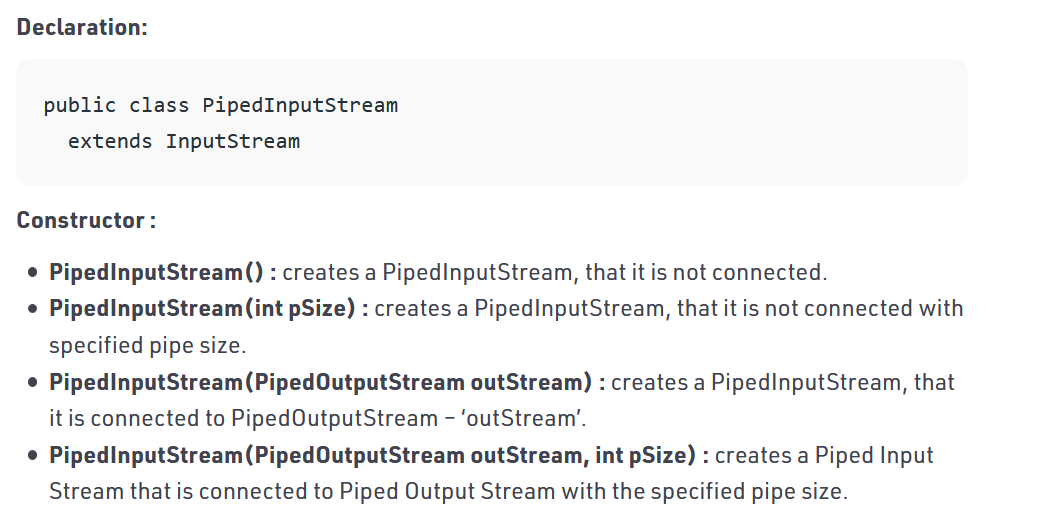
# **Piped Streams**

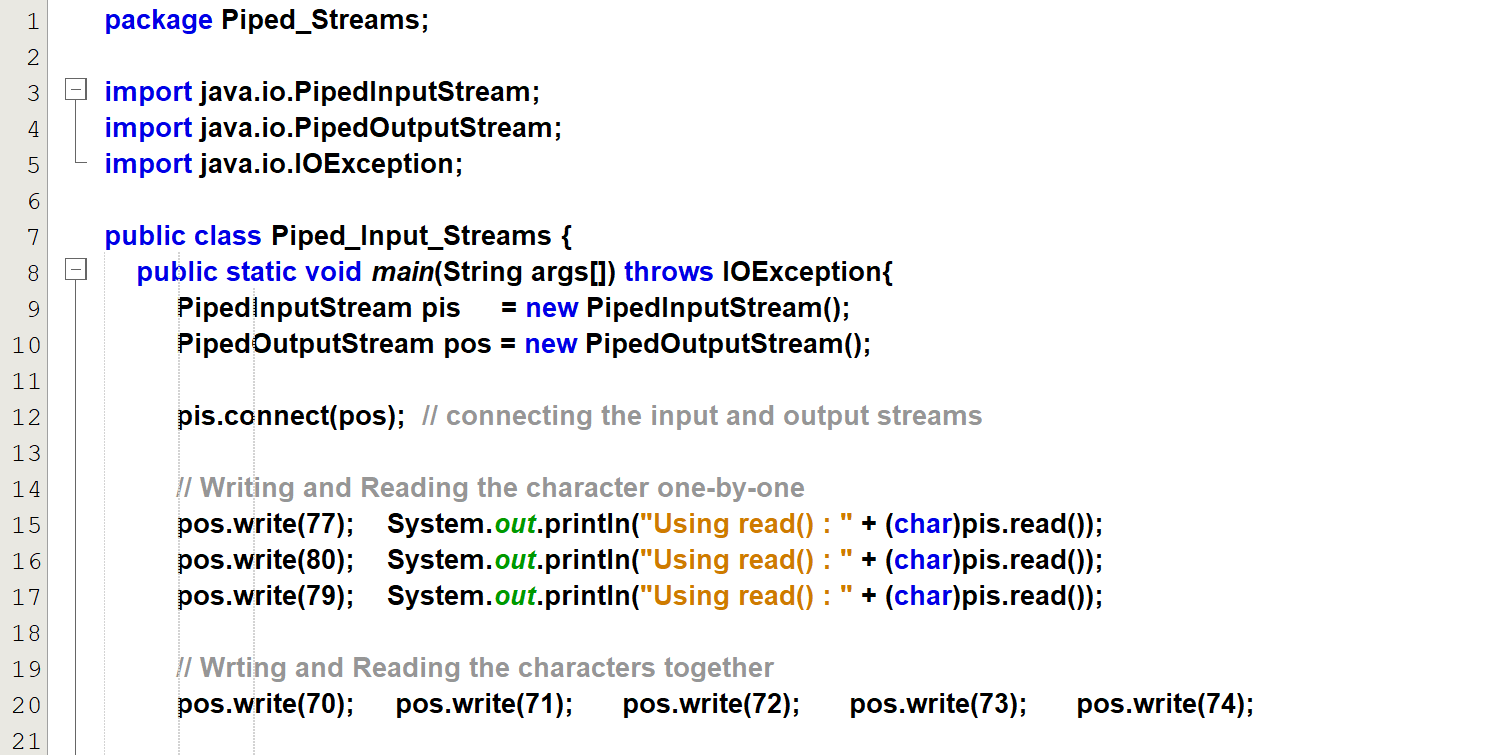
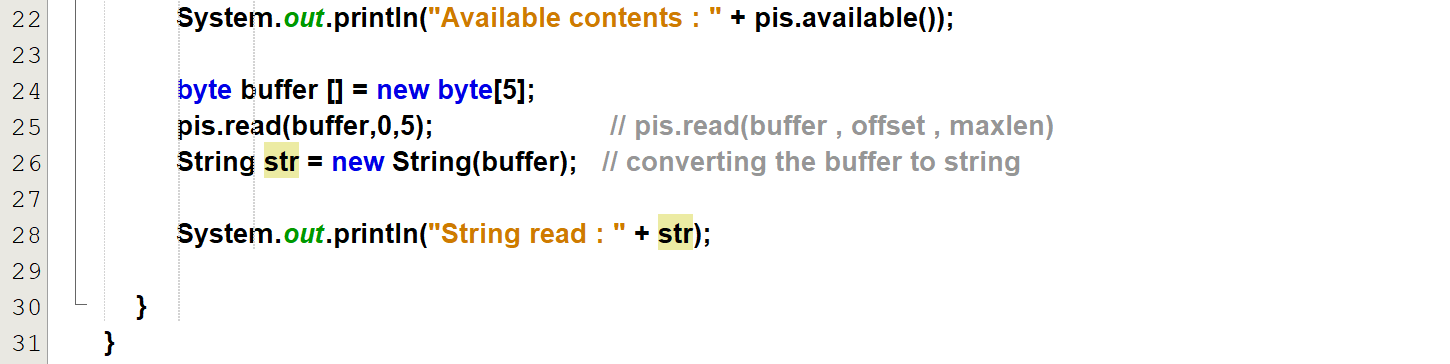
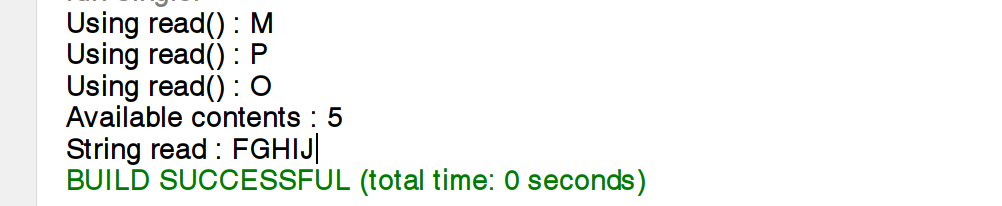




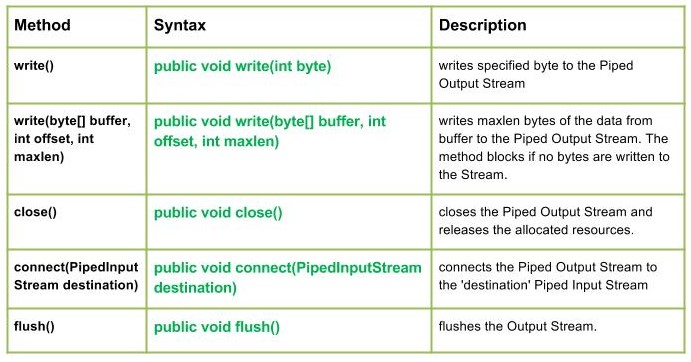
## **PipedInputStreams**

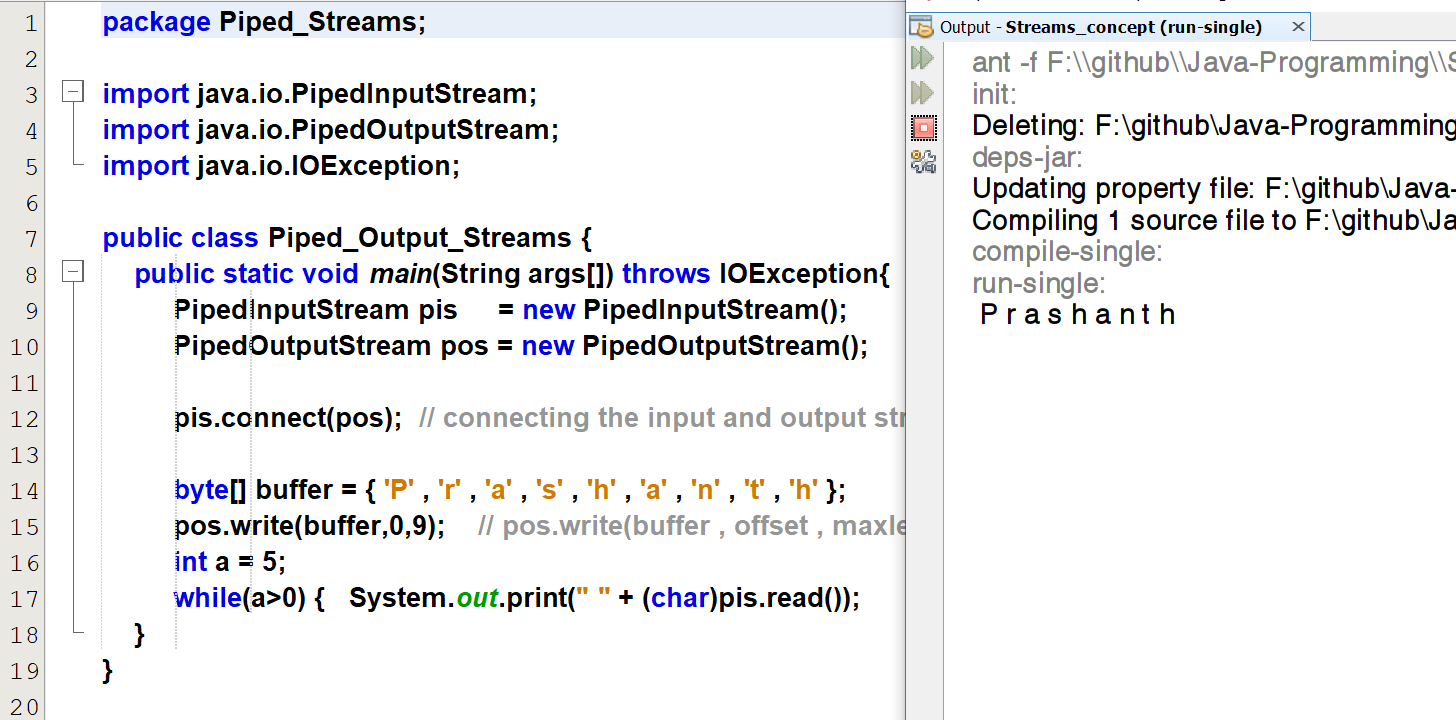




## **PipedOutputStreams**





## **Producer Consumer problem**

