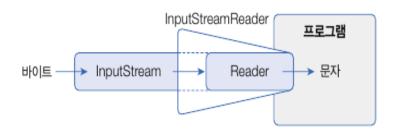
## 문자 변환 스트림

## ■ 문자 변환 스트림

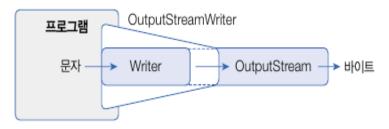
- 바이트 스트림(InputStream, OutputStream)에서 입출력할 데이터가 문자라면 문자 스트림(Reader 와 Write)로 변환해서 사용하는 것이 좋다.
- 그 이유는 문자로 바로 입출력하는 편리함이 있고, 문자셋의 종류를 지정할 수 있기 때문이다.

## ◎ InputStream을 Reader로 변환



InputStream is = new FileInputStream("C:/Temp/test.txt");
Reader reader = new InputStreamReader(is);

## ◎ OutputStream을 Writer로 변환



OutputStream os = new FileOutputStream("C:/Temp/test.txt");
Writer writer = new OutputStreamWriter(os);

```
FileInputStream fin = new FileInputStream("c:\\Temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{w}\temp\\hat{
       InputStreamReader in = new InputStreamReader(fin, "MS949");
          while ((c = in.read()) != -1) {
                                                                                                                                                                                                                                                                                                                                                                              한글 완성형 확장형 문자 집합
                   System.out.print((char)c);
                                                                                                                                                                                                                                                                                                                                                                                              문자 집합 사용
                                                                                                                                                                                                                                                                                                                                                                                             (윈도우에서 MS949)
     III hangul.txt - 메모장
                                                                                                                             X
 파일(F) 편집(E) 서식(O) 보기(V)
  도움말(H)
                                                                                                                                                                                                                                                                                                                                                                                                                                      in
                                                                                                                                                                                                                                                                             fin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    → in.read()
가나다라마바사아자차카타파하
                                                                                                                                                                           •• 10101101 ••
                                                                                                                                                                                                                                                                                                                                     •• 10101101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  '가', '나'
                                                                                                                                                                                                                                                                                                                                                                                                  InputStreamReader
                                                                                                                                                                                                                                              FileInputStream
```