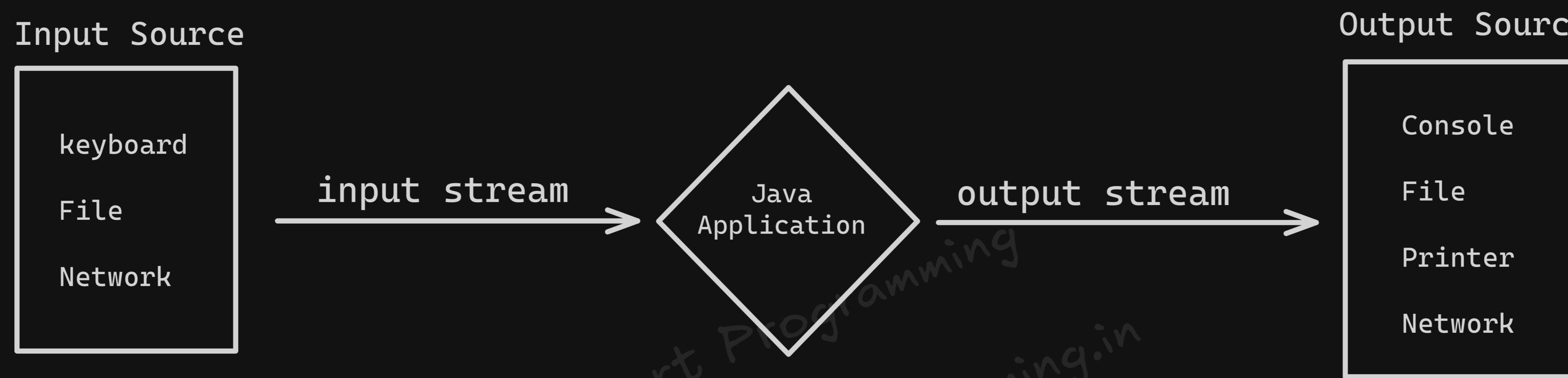


Java Input / Output

⇒ It is the process by which Java Application take the data from input sources i.e. keyboard, file, network etc and can pass the data or transfer the data from java application to output sources i.e. network, console, file, printer etc



⇒ Use:

1. Upload & Download
2. File read and write
3. Copy and paste
4. Pen-drive or CD/DVD write/read
5. Logging framework
etc

⇒ In Java, data is transferred in the form of streams which are of two types :-

1. Byte Stream
2. Character Stream

⇒ Pre-defined streams in java for console :-

1. System.in
2. System.out
3. System.err

⇒ Java has provided 2 pre-defined packages for java io :-

1. java.io (old)
2. java.nio (new)

⇒ Byte Stream :-

- It transfers the data in 0 and 1s (8 bits of unit)
- It is used for
 - = text files
 - = images
 - = videos
 - = audio
 - = executables
 - = etc
- Hierarchy:-
 - = InputStream
 - = OutputStream

⇒ Character Stream :-

- It transfers the data in characters (16 bits of unit)
- It is used for
 - = text files
 - = csv files
 - = JSON file
 - = XML file
- Hierarchy
 - = Reader
 - = Writer

File Class

⇒ Programs