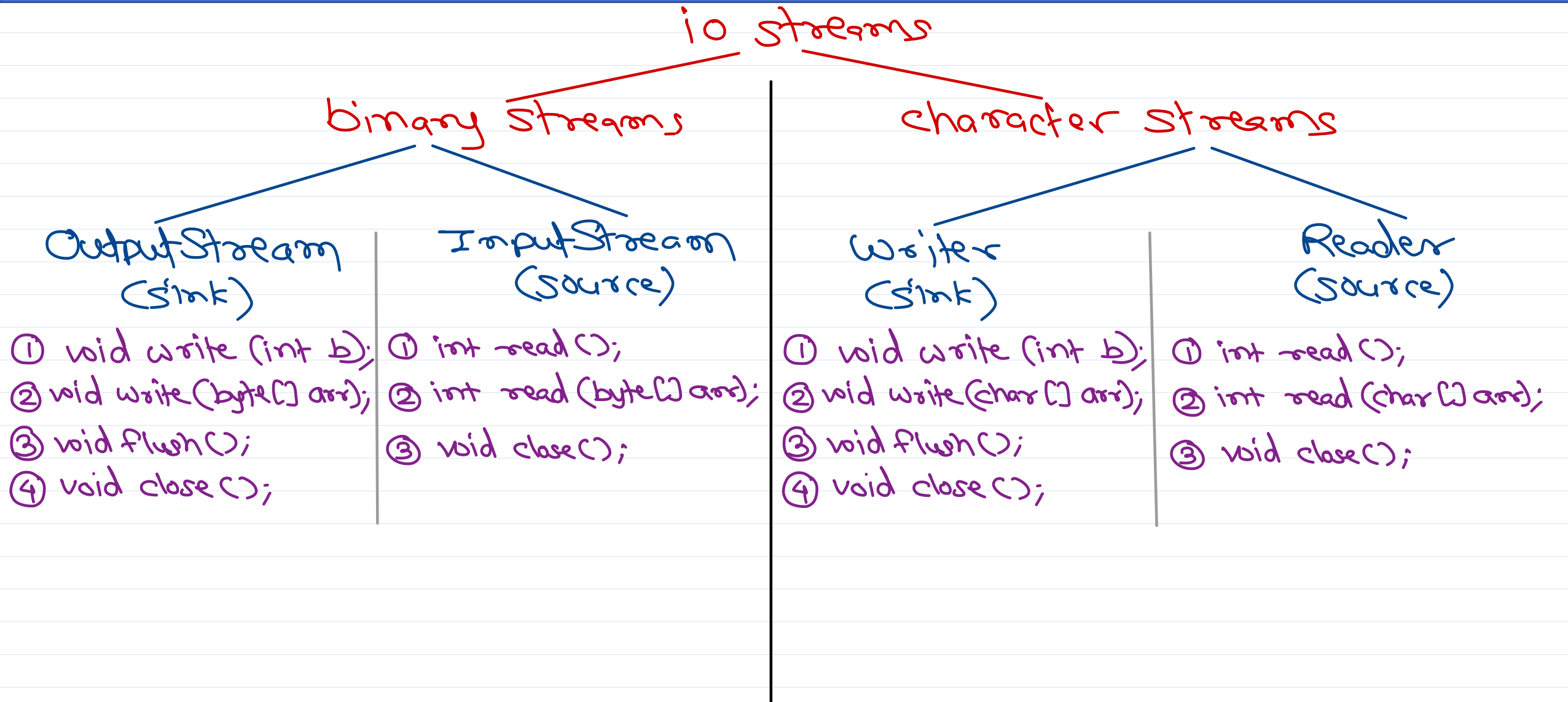




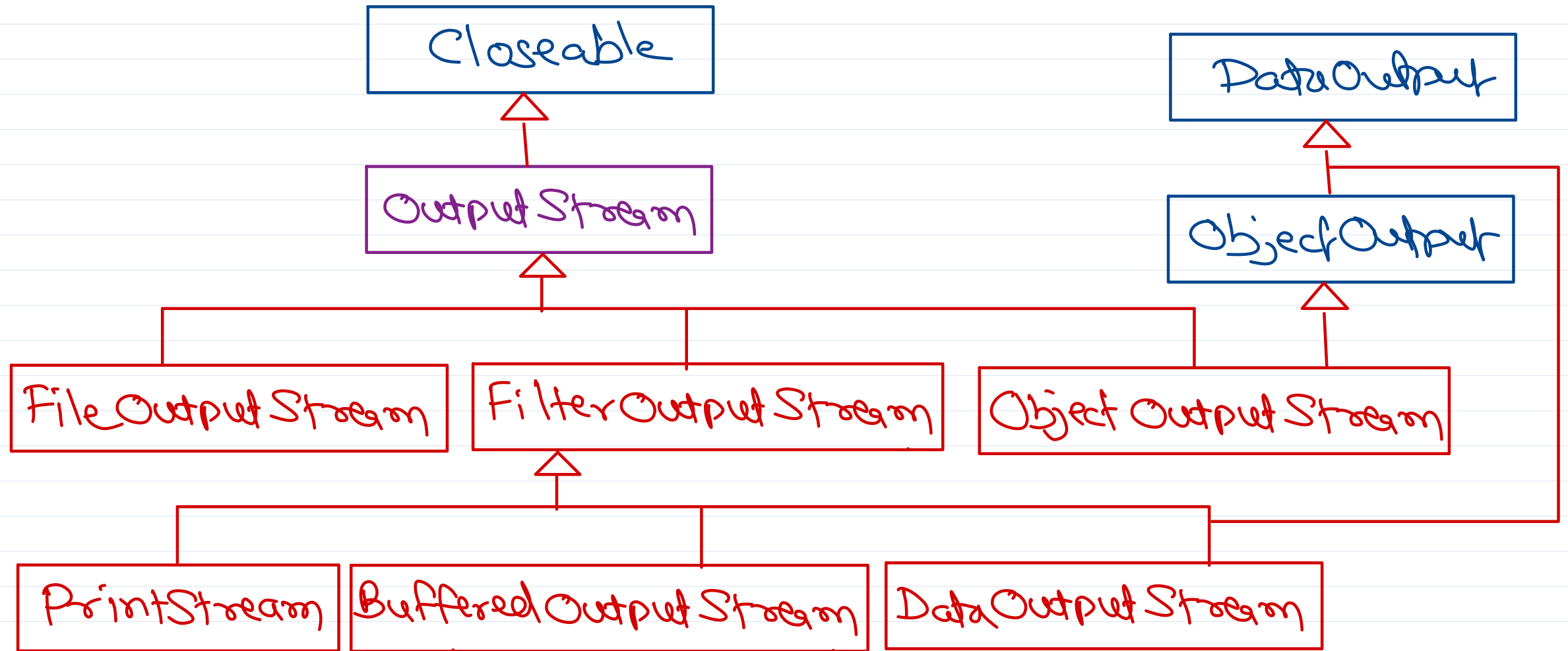
Core Java

Trainer: Nilesh Ghule

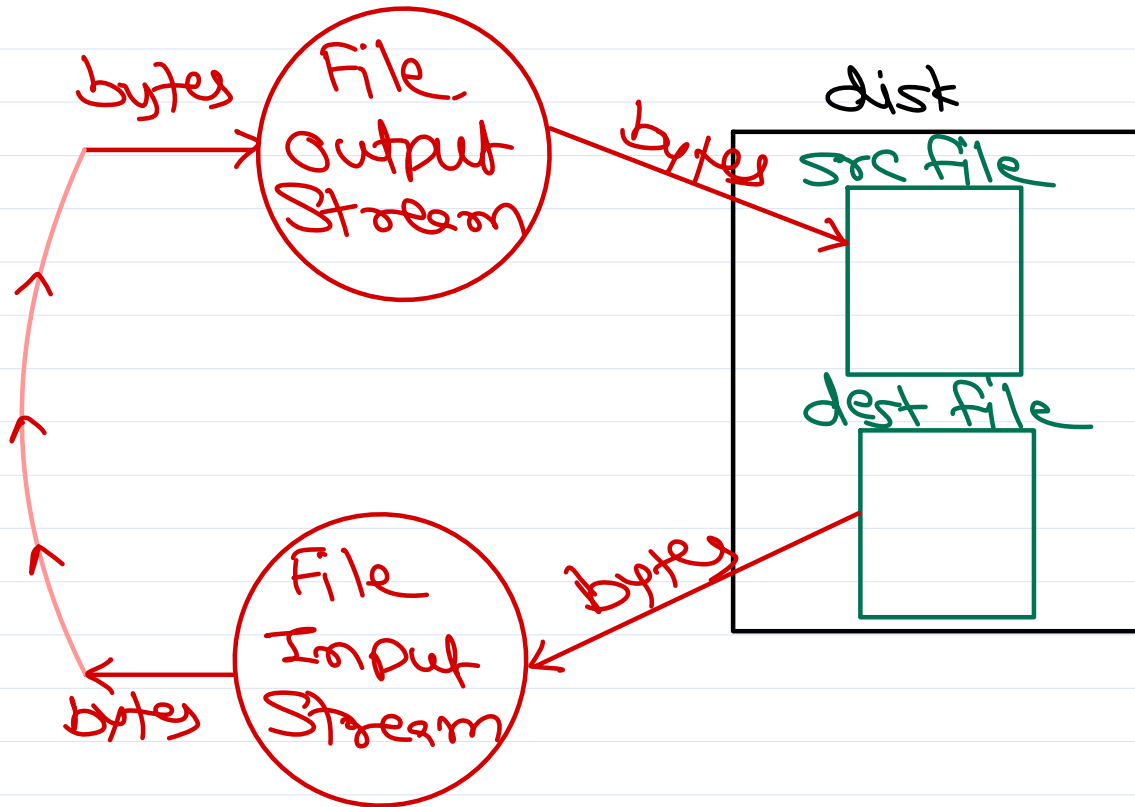




OutputStream hierarchy



File copy program

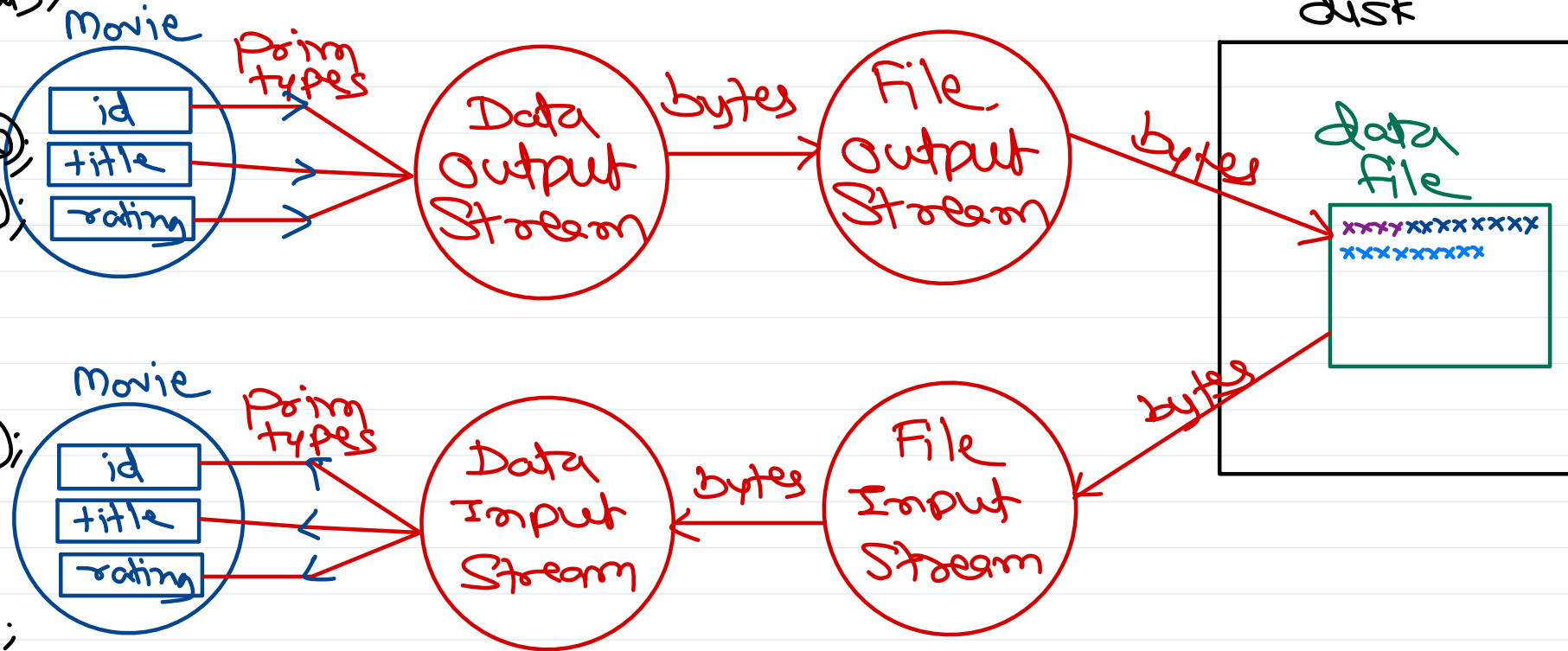


- ① open source file (FileInputStream).
`FIS fin = new FIS("srcpath");`
- ② open dest file (FileOutputStream).
`FOS fout = new FOS("destpath");`
- ③ read a byte from src file.
`while((b = fin.read()) != -1) {`
- ④ write that byte into dest file.
`fout.write(b);`
- ⑤ ³ repeat until end of src file.
- ⑥ close dest & src file.
`dest.close();`
`src.close();`



DataOutputStream and DataInputStream

```
Movie m=new Movie(-,-,-);  
FOS fout=new FOS("filepath");  
DOS dout=new DOS(fout);  
dout.writeInt(m.getId());  
dout.writeDouble(m.getRating());  
dout.writeUTF(m.getTitle());
```



```
Movie m=new Movie();  
FIS fin=new FIS("filepath");  
DIS din=new DIS(fin);  
m.setId(din.readInt());  
m.setRating(din.readDouble());  
m.setTitle(din.readUTF());
```

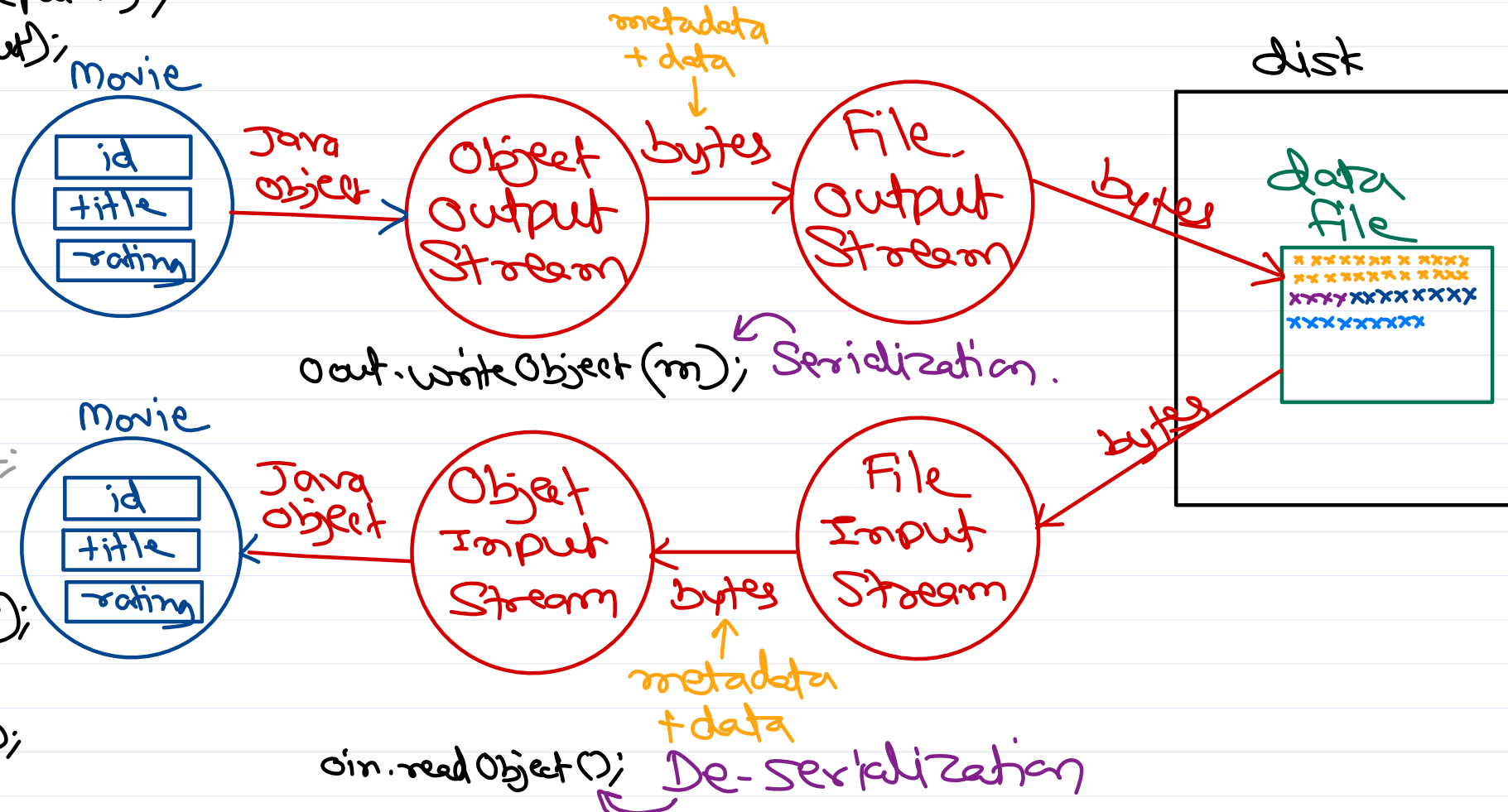


ObjectOutputStream and ObjectInputStream

```
Movie m = new Movie(-, -, -);  
FOS fout = new FOS("filepath");  
OOS oout = new OOS(fout);  
oout.writeObject(m);
```

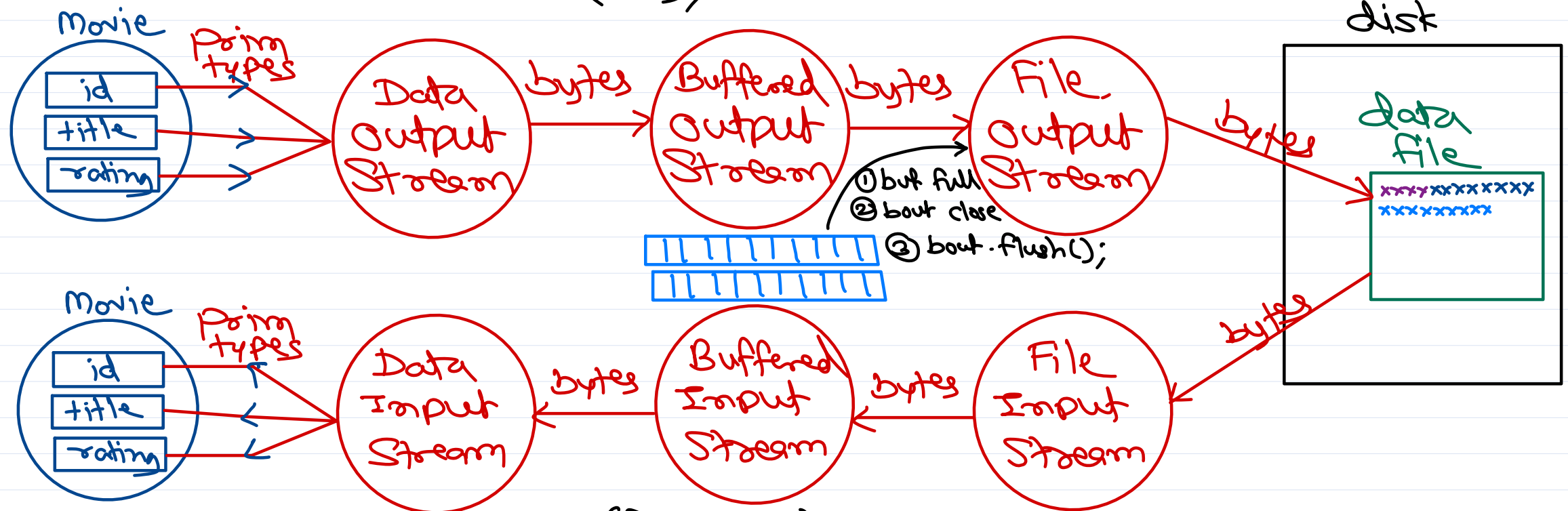
```
class Movie  
    implements Serializable {  
    private int id;  
    private double rating;  
    private String title;  
    private transient double income;  
    ...  
}
```

```
FIS fin = new FIS("filepath");  
OIS oin = new OIS(fin);  
Movie m = (Movie) oin.readObject();
```



Buffered Streams

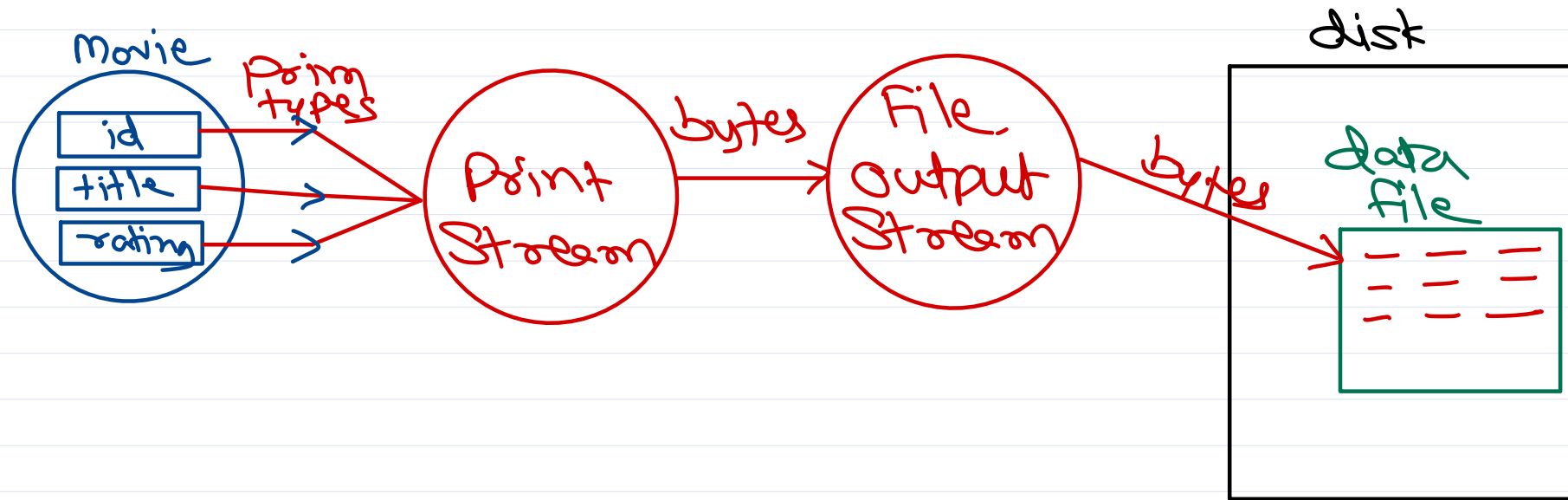
```
FOS fout = new FOS("filepath");  
BOS bout = new BOS(fout);  
DOS dout = new DOS(bout);
```



```
FIS fin = new FIS("filepath");  
BIS bin = new BIS(fin);  
DIS din = new DIS(bin);
```



PrintStream





Thank you!

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