Requirement:

Read relevant data from a .csv file and calculate the cost of printing depending on the type of print job in each row and output the cost of each job and also total cost.

Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **Total No. of Pages** | **No. of Color Pages** | **Print Double Side** | **Cost** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Total Cost** | | |  |

**Approach:**

Classes:

CSVFileReader:

Class to read the file and populate PrintJobParameters object

PrintJobParameters:

Pojo class to hold the input values given in the csv file

SizeFactory:

Factory implementation to take the print size and create SizeObject in which the cost of print is calculated.

For e.g. if A4 is the second parameter a AFourSize object is created.Future support for other paper sizes can be created by developing individual Class and calculation logic coded in respective classes with minimal changes.

AFourSize:

Class containing the cost calculation for A4 Size

PrintException:Exception class

TableBuilder: To create Table structure for Output

**CodeLocation and Packaging**

<https://github.com/naveengundubilli/PrintJob.git>

Build using Maven:

Check out the project from git

cd PrintJobCost

mvn package(expecting maven already installed and environment variables set)

**Steps to run the project:**

**cd target**

java -jar PrintJobCost-1.0.jar "CSV File Location" A4