

## Part 2:

To parse different file format ,the design pattern used is Strategy. According to the file format extension, different strategies based upon format are used to parse the file and then card number is passed to handler and according to the output, it is again written into a new file with the same format. Client calls strategy context to instantiate the correct strategy object and execute function is called so that strategy's readfile() is invoked to process the file and output to a new file. For newer file formats, a new concrete strategy have to be added and no further modifications are required.

