## Test 1 – Web scraping

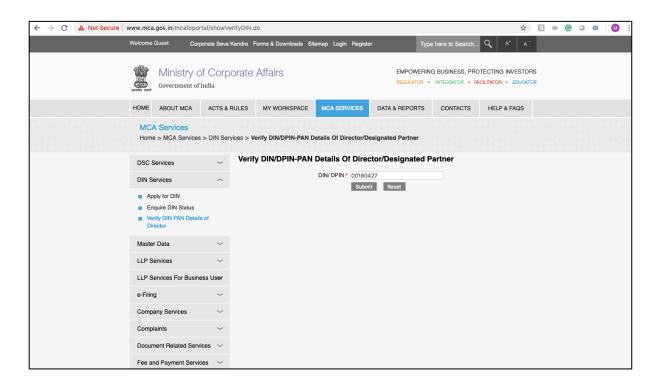
Requirement – To insert the director identification number (DIN) values shared in the xls workbook in the below mentioned field and URL and extract the output in an csv or txt file. This module should work on any given number of DIN values provided in an input csv file and post-extraction from the web the output should be available in an cvs or txt file with the name of the director and DIN value.

Web URL - http://www.mca.gov.in/mcafoportal/showVerifyDIN.do

Input Field Name - DIN/DPIN

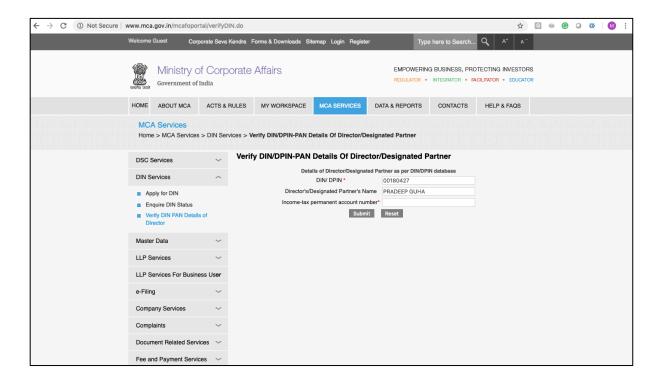
Input Screen - 1

1. To insert DIN value



## 2. Click on Submit

## Output Screen - 1



Name of the Director is part of the output, which is to be captured in the output with the given input DIN value. Please note Income-tax permanent account number is not shared in the output so please ignore it.

Output Format Headers – DIN | Name of the Director

## Other Points for Consideration:

- Input file has a list of 100 DIN values and the developed module should be capable to ping the above URL, insert the DIN value and fetch the name of the director and store it back in the local system in a sequential manner.
- No limitations on use of technology for scraping information and one can go with Python, Java, NodeJS or any other programming language.
- Candidate can make use of any open source database if needed as there is no compulsion for the same.