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# Personal Info Scanner

This project scans different files to extract different personal information such as **email, SSN, passport number, Credit/Debit Card infor, driving license number** etc.

**card\_info\_scan.py** is the main file doing different tasks. Working of the code along with different functions is given below:

1. **\_\_main\_\_**:
  - a. This first gets the machine name, operating system information and current date.
  - b. It runs the loop through all the directories of the root and perform search operation from **.csv, .odt** and **.txt** files only. If we want to search only in a specific folder then that can also be done just by changing the scan path information.
  - c. For each file of correct extension it applies email, card, passport, ssn information extractor functions.
2. **get\_machine\_info()**: This function populates the dictionary with machine name, OS name and current date.
3. **find\_emails()**: This function extracts the emails from given file and write extracted emails to other file.
4. **find\_card\_info()**: This function extracts the debit/credit card information from the file data and stores them into a file.
5. **find\_passport\_info()**: This function extracts the passport number from the file data and stores them into a separate file.
6. **find\_ssn\_info()**: This function extracts the SSN number from the data and stores them into a separate file.
7. **write\_file()**: This function writes the received data into a corresponding file.