A.Y. 2022-2023

Subject: Python   **SAP ID: 60004220253 – Devansh Mehta**

Experiment No. 07

Aim: Make use of RE module to perform text processing.

Code:

```
import re

list = ["Mr. Anderson", "Ms. Thareja","Mrs. Morri","Mr. Roy","Ms. Gandhi","Mrs.
Modi","https://www.google.co","http://www.udemy.co",
    "www.udacity.com", "https://www.stackoverflow.com", "http://www.djsce.ac.in",
"https://plus.google.com", "rishit.grover@gmail.com",
    "kapeesh.grover@yahoo.co.in", "abhishek.shah@gmail.com", "shahp98@gmail.com",
"demo_user@gmail.com", "rolflmoa@yahoo.co.in", "27777647", "233*333*88", "455-78-
888",
    "022-240-93836", "02642*221*381"]

for val in list:

    if re.search("\AM[rs].", val ):

        x = val.split(".")
        print("Name of the user: ", x[1])

    elif re.search("\Ahttp.", val ):

        x = val.split(".")
        print("Website name:", x[1])

    elif re.search("@.*[.]co.*\Z", val ):

        print("Email id: ", val)


    elif  re.search("(^([0-9]+))([-*].*)?(([0-9]+)$)", val ) :

        print("Phone number: ", val)
```
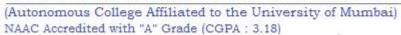
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Output:

```
PS C:\Users\devan\OneDrive\Desktop\Python Codes> python -u
Name of the user:    Anderson
Name of the user:    Thareja
Name of the user:    Morri
Name of the user:    Roy
Name of the user:    Gandhi
Name of the user:    Modi
Website name: google
Website name: udemy
Website name: stackoverflow
Website name: djsce
Website name: google
Email id:  rishit.grover@gmail.com
Email id:  kapeesh.grover@yahoo.co.in
Email id:  abhishek.shah@gmail.com
Email id:  shahp98@gmail.com
Email id:  demo_user@gmail.com
Email id:  rolflmoa@yahoo.co.in
Phone number:   27777647
Phone number:   233*333*88
Phone number:   455-78-888
Phone number:   022-240-93836
Phone number:   02642*221*381
```