

```
from PIL import Image , ImageFilter
img = Image.open("cosmos.jpg")
filter_image = img.filter(ImageFilter.BLUR)
filter_image.save("cosmos.jpg","png")
print(img.format)
```

Output: -

JPEG

```
filter_img = img.convert('L')
crooked = filter_img.rotate(180)
resize = filter_img.resize((300,300))
crooked.save("cosmos.png","jpeg")
print(img.format)
```

Output: -

PNG

#2. Merge two pdf files using python script.

```
import PyPDF2
```

```
temp = PyPDF2.PdfFileReader(open(r'C:\Users\dell\Desktop\Histogram.pdf','rb'))
water = PyPDF2.PdfFileReader(open(r'C:\Users\dell\Desktop\Python Daily Tasks\Day-2_task.pdf','rb'))
```

```
output = PyPDF2.PdfFileWriter()
```

```
for i in range(temp.getNumPages()):
    page = temp.getPage(i)
    page.mergePage(water.getPage(0))
    output.addPage(page)
```

```
    with open(r'C:\Users\dell\Desktop\Python Daily Tasks\Day-3_task.pdf','wb') as file:
        output.write(file)
```

```
with open(r'C:\Users\dell\Desktop\Histogram.pdf','rb') as file:
    reader = PyPDF2.PdfFileReader(file)
    print(reader.numPages)
    print(reader.getPage(0))
```

Output: -

```
1
{'/Type': '/Page', '/Parent': IndirectObject(4, 0), '/MediaBox': [0, 0, 612, 792]
, '/Resources': {'/ProcSet': ['/PDF', '/Text', '/ImageC'], '/Font': {'/F0': Indir
ectObject(12, 0), '/F1': IndirectObject(13, 0), '/F2': IndirectObject(14, 0)}, '/
XObject': {'/Image0': IndirectObject(8, 0), '/Image1': IndirectObject(9, 0)}, '/P
attern': {'/P1': IndirectObject(19, 0)}, '/ColorSpace': IndirectObject(3, 0), '/E
xtGState': IndirectObject(20, 0)}, '/Contents': IndirectObject(7, 0), '/Group': {
'/Type': '/Group', '/S': '/Transparency', '/CS': '/DeviceRGB'}
```

```
#3. Scrape a website and store the data into DB.
import requests
from bs4 import BeautifulSoup
import mysql.connector
mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="!123456!",
    database = "mydatabase",
)
se = mydb.cursor()
url_to_scrape = 'http://127.0.0.1:8000/'
plain_html_text = requests.get(url_to_scrape)
soup = BeautifulSoup(plain_html_text.text, "html.parser")
print(soup.prettify())
```

Output: -

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8"/>
    <meta content="width=device-width, initial-scale=1" name="viewport"/>
    <!-- Bootstrap CSS -->
    <link crossorigin="anonymous" href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.
1/dist/css/bootstrap.min.css" integrity="sha384-
+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x" rel="stylesheet
"/>
    <title>
      TextUtils!
    </title>
  </head>
```

```
<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-primary">
    <div class="container">
      <a class="navbar-brand" href="#">
        TextUtils
      </a>
      <button aria-controls="navbarScroll" aria-expanded="false" aria-
label="Toggle navigation" class="navbar-toggler" data-bs-
target="#navbarScroll" data-bs-toggle="collapse" type="button">
        <span class="navbar-toggler-icon">
          </span>
        </button>
      <div class="collapse navbar-collapse" id="navbarScroll">
        <ul class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll" style="--bs-
scroll-height: 100px;">
          <li class="nav-item">
            <a aria-current="page" class="nav-link" href="#">
              Home
            </a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="https://github.com/rahulmyakal">
              GitHub
            </a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="https://www.linkedin.com/in/rahul-myakal-
7b1a311bb/">
              LinkedIn
            </a>
          </li>
          <li class="nav-item dropdown">
            <a aria-expanded="false" class="nav-link dropdown-toggle" data-bs-
toggle="dropdown" href="#" id="navbarScrollingDropdown" role="button">
              Contact Us
            </a>
            <ul aria-labelledby="navbarScrollingDropdown" class="dropdown-menu">
              <li>
                <a class="dropdown-item" href="#">
                  via E-mail
                </a>
              </li>
              <li>
                <a class="dropdown-item" href="#">
                  via Phone No.
                </a>
              </li>
            </ul>
          </li>
        </ul>
      </div>
    </div>
  </nav>
</body>
```

```

        </a>
      </li>
    </ul>
  </li>
</ul>
<form action="/analyser" class="d-flex" method="POST">
  <input name="csrfmiddlewaretoken" type="hidden" value="RvBClnj0VgNSyjs3q0fK
W0fh3r5VtPdF3Gymev2Q9a0WfVvk0gCkMl0TZeHcHf9h"/>
  <input aria-label="Search" class="form-control me-
2" placeholder="Search" type="search"/>
  <button class="btn btn-outline-success" type="submit">
    Search
  </button>
</form>
</div>
</div>
</nav>
<div class="container">
  <div class="alert alert-warning alert-dismissible fade show" role="alert">
    <strong>
      Welcome to TextUtils!
    </strong>
    you can do whatever with Textutils
    <button aria-label="Close" class="btn-close" data-bs-
dismiss="alert" type="button">
    </button>
  </div>
  <label class="form-label" for="exampleFormControlTextarea1">
    Text to be Enter
  </label>
  <textarea class="form-
control" id="exampleFormControlTextarea1" name="text" rows="07"></textarea>
  <div class="form-check form-switch mt-2">
    <input class="form-check-
input" id="flexSwitchCheckChecked1" name="to_capital" type="checkbox"/>
    <label class="form-check-label" for="flexSwitchCheckChecked1">
      Captialisation
    </label>
  </div>
  <div class="form-check form-switch">
    <input class="form-check-
input" id="flexSwitchCheckChecked2" name="to_removepunct" type="checkbox"/>
    <label class="form-check-label" for="flexSwitchCheckChecked2">
      Remove Punctuations
    </label>
  </div>

```

```

    </div>
    <div class="form-check form-switch">
      <input class="form-check-
input" id="flexSwitchCheckChecked3" name="to_count_words" type="checkbox"/>
      <label class="form-check-label" for="flexSwitchCheckChecked3">
        Length of the Given Input
      </label>
    </div>
    <div class="form-check form-switch">
      <input class="form-check-
input" id="flexSwitchCheckChecked4" name="to_remove_newline" type="checkbox"/>
      <label class="form-check-label" for="flexSwitchCheckChecked4">
        Remove New Line
      </label>
    </div>
    <div class="form-check form-switch">
      <input class="form-check-
input" id="flexSwitchCheckChecked5" name="to_remove_extraspace" type="checkbox"/>
      <label class="form-check-label" for="flexSwitchCheckChecked5">
        Remove Extra Space
      </label>
    </div>
    <button class="btn btn-warning mt-2" type="submit">
      START
    </button>
  </div>
  <!-- Optional JavaScript; choose one of the two! -->
  <!-- Option 1: Bootstrap Bundle with Popper -->
  <script crossorigin="anonymous" integrity="sha384-
gtEjRd/SeCtmISkJKNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9Plx0x4" src="https://cd
n.jsdelivrivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js">
  </script>
  <!-- Option 2: Separate Popper and Bootstrap JS -->
  <!--
    <script src="https://cdn.jsdelivrivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper
r.min.js" integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwwAwPtgFTxbJ8NT4GN1R8p" crossorigin="an
onymous"></script>
    <script src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.m
in.js" integrity="sha384-
Atwg2Pkwv9vp0ygtn1JAojH0nYbwNjLPhwyoVbhoPwBhjQPR5VtM2+xf0Uwh9KtT" crossorigin="an
onymous"></script>
  -->
</body>
</html>

```