

Task – 22

```
# task - 22
```

```
# 1. Read a jpeg image and print the image file
```

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

output :-

PNG

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

output :-

JPEG

```
# 2. Merge two pdf files using python script
```

```
import PyPDF2
temp = PyPDF2.PdfFileReader(open(r'D:\Mohit\college work\Best Enlist\Task - 19\task-19.pdf', 'rb'))
water = PyPDF2.PdfFileReader(open(r'D:\Mohit\college work\Best Enlist\Task - 20\task-20.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'D:\Mohit\college work\Best Enlist\Task - 21\task-21.pdf', 'wb') as file:
    output.write(file)
with open(r'D:\Mohit\college work\Best Enlist\Task - 19\task-19.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="hello",
    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-
+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOI7+AMvyT
G2x" 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>
<form action="/analyser" class="d-flex" method="POST">
  <input name="csrfmiddlewaretoken" type="hidden" value="RvBCInjOVgNSyjs3q0fK
WOfh3r5VtPdF3Gymev2Q9a0WfV0gCkMI0TZeHecHf9h"/>
  <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">
      Capitalisation
    </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 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//EIJ19smozuHV6z3Iehds+3Ulb9Bn9Plx0x4" src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js">
</script>
<!-- Option 2: Separate Popper and Bootstrap JS -->
<!--
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.min.js" integrity="sha384-Atwg2Pkwv9vp0ygtn1JAojH0nYbwNjLPhwyoVbhoPwBhjQPR5VtM2+xf0Uwh9KtT" crossorigin="anonymous"></script>
-->
</body>

```

</html