| Date | 16 October 2022 |
|------|-----------------|
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| Batch | B7-2A4E |

ASSIGNMENT 1

*1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.*

*2. Develop a flask program which should contain at least 5 packages used from pypi.org.*

App.py

```python
from flask import Flask, render_template, request, redirect, url_for, flash
from flask_wtf import FlaskForm
from wtforms import StringField, PasswordField, SubmitField
from wtforms.validators import DataRequired, Email, EqualTo
app = Flask(_name_) app.config['SECRET_KEY'] = 'mysecretkey'
class RegistrationForm(FlaskForm):
    first_name = StringField('First Name', validators=[DataRequired()])
    last_name = StringField('Last Name', validators=[DataRequired()])
    email = StringField('Email', validators=[DataRequired(), Email()])
    phone = StringField('Phone', validators=[DataRequired()])
    password = PasswordField('Password', validators=[DataRequired()])
    submit = SubmitField('Submit')
@app.route('/', methods=['GET', 'POST'])
def index():
    return render_template('index.html')
@app.route('/register', methods=['GET', 'POST'])
def register():
    form = RegistrationForm()
    if form.validate_on_submit():
        flash(f'Account created for {form.first_name.data} {form.last_name.data}!', 'success')
        return render_template('success.html', form=form)
    return render_template('success.html', form=form)
```

```python
@app.route('/success', methods=['GET', 'POST'])
def success():
    return render_template('success.html',
first_name=request.args.get('first_name'),
last_name=request.args.get('last_name'), email=request.args.get('email'),
phone=request.args.get('phone'))

if_name_== '_main_':
    app.run(debug=True)
```

Index.html:
```html
<!DOCTYPE html>
<html>
<head>
    <title>Flask App</title>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
</head>
<body>
    <h1>Registration Page</h1>
    <form action="/register" method="POST">
        <label for="first_name">First Name:</label>
        <input type="text" name="first_name" id="first_name">
        <br>
        <label for="last_name">Last Name:</label>
        <input type="text" name="last_name" id="last_name">
        <br>
        <label for="email">Email:</label>
        <input type="text" name="email" id="email">
        <br>
        <label for="phone">Phone:</label>
        <input type="text" name="phone" id="phone">
        <br>
        <label for="password">Password:</label>
        <input type="password" name="password" id="password">
        <br>
        <input type="submit" value="Submit">
    </form>

</body>
</html>
```

## Success.html:

```html
<!-- Print form data from flask app -->

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Success</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
</head>
<body>

    <h1>Success</h1>
    <h2>Thank you for submitting your information</h2>
    <h3>Here is the information you submitted:</h3>
    <p>First Name: {{form.first_name}}</p>
    <p>Last Name: {{form.last_name}}</p>
    <p>Email: {{form.email}}</p>
    <p>Phone: {{form.phone}}</p>
</body>
</html>
```

## Fail.html:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Fail</title>
</head>
<body>

    <h1>Fail</h1>
    <h2>Sorry, there was an error with your submission</h2>
    <h3>Here is the information you submitted:</h3>
    <p>First Name: {{form.first_name}}</p>
    <p>Last Name: {{form.last_name}}</p>
    <p>Email: {{form.email}}</p>
    <p>Phone: {{form.phone}}</p>
</body>
</html>
```

Output:

# Registration page

First Name: Sneha

Last Name: R S

Email: snehars2727@gmail.com

Phone: 9856237412

Password: ••••

Submit

# Success

## Thank you for submitting your information

## Here is the information you submitted:

First Name: Sneha

Last Name: R S

Email: snehars2727@gmail.com

Phone: 9856237412

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