**1] Create Flask application that accept customer name and age in URL and print message like “Welcome <customer name> ....you are <age> years old ...”**

**hello.py :**

from flask import Flask, render\_template, request app = Flask(\_\_name\_\_)

@app.route("/<name>/<age>") def new(name,age):

return render\_template("index.html", name=name, age=age)

**templates/index.html :**

<!DOCTYPE html>  
<html>  
<body>  
<h1>Welcome {{name}} you are {{age}} Years old</h1> </body>

</html>  
url : 127.0.0.1:5000/Darshan/20

**2] Create flask application that have three pages, first for admin, second for student and third for teacher. According to the It will open and print relevant messages.**

**hello.py :**

from flask import Flask, render\_template, request app = Flask(\_\_name\_\_)

@app.route("/admin") def newq():

return render\_template("admin.html")

@app.route("/student") def newqw():

return render\_template("student.html") @app.route("/teacher")

def newqe():  
return render\_template("teacher.html")

**admin.html :**

<html> <head>

<title>admin page</title> </head>

<body>

</body> </html>

**student.html :**

<html> <head>

<h1>This is Admin page.</h1>

<title>Student page</title> </head>

<body>

</body> </html>

**teacher.html :**

<html> <head>

<h1>This is Student page.</h1>

<title>Teacher page</title> </head>

<body>

</body> </html>

<h1>This is Teacher page.</h1>

**3] Create Flask Application that embed python code check the given number is Armstrong or not**

**hello.py :**

from flask import Flask, render\_template, request app = Flask(\_\_name\_\_)

@app.route('/check') def check():

return render\_template('armstrong.html')

@app.route('/num',methods=['POST','GET']) def num():

if request.method == 'POST': num = request.form['arm'] sum = 0  
chk = int(num)

temp = int(num) while temp > 0:

digit = temp % 10 sum += digit \*\* 3 temp //= 10

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msg = f"This Number is {num} Armstrong Number"

return render\_template('armstrong.html',message=msg) else:

msg = f"This Number is {num} Not Armstrong Number" return render\_template('armstrong.html',message=msg)

**armstrong.html :**

<!DOCTYPE html> <html>  
<head>

<title>table</title> </head>

<body>  
<form action="http://127.0.0.1:5000/num" method="POST" >

<label>Enter Only digits : </label>

<input type="number" name="arm" placeholder="Enter Digits" required>

<br/>

<input type="submit" value="Submit" > </form>

<h1>{{ message }}</h1> </body>

</html>

**4] create flask application that create form for personal information (first name , last name, mobile no, age, etc) and using request object display data in table format.**

**hello.py :**

from flask import Flask, render\_template, request app = Flask(\_\_name\_\_,template\_folder="templates")

@app.route('/') def personalinfo():

return render\_template('personalinfo.html')

@app.route('/main' , methods = ['POST','GET']) def main():

if request.method == 'POST': result = request.form

return render\_template("main.html", result=result)

if \_\_name\_\_ == '\_\_main\_\_': app.run(debug=True)

**personalinfo.html :**

<!DOCTYPE html> <html>  
<head>

<title>Personal Information</title> </head>

<body>  
<form action="http://127.0.0.1:5000/main" method="POST" >

<label>Enter First Name : </label><br> <input type="text" name="fname"><br>

<label>Enter Last Name : </label><br> <input type="text" name="lname"><br>

<label>Enter Mobile No. : </label><br>

<input type="number" name="mno"><br>

<label>Enter Age : </label><br>  
<input type="number" name="age"><br><br>

<input type="submit" value="Submit" > </form>

</body> </html>

**Main.html :**

<!DOCTYPE html> <html>  
<head>

<title></title> <style>

table,td,th{  
border: 2px solid;

} </style>

</head> <body>

<table>  
{% for key, value in result.items() %} <tr>

<th>{{key}}</th>

<td>{{value}}</td> <tr>

{% endfor %} </table>

</body> </html>