1.Create a Flask Application that accept Student Name And Roll no From the URL and Print The Message Like.. Welcome : Student Name... Roll no is : Roll no.
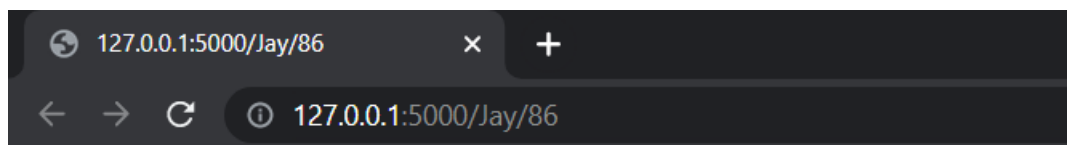
Ans:

```python
from flask import Flask


app=Flask(__name__)
@app.route('/<name>/<roll>')
def info(name,roll):
    return '<h2>Welcome : '+ name + '<br> Your Rollno is : '+ str(roll) +
'</h2>'

if __name__=='__main__':
    app.run(debug=True)
```

Output:

2. Create a Flask Application That Have Pages Like Faculty, Student and Department According The Page Relevant Message Should Be Print.

Ans:

```python
from flask import Flask,render_template


app=Flask(__name__)

@app.route('/')
def index():
    return render_template("index.htm")

@app.route("/faculty")
def faculty():
    return render_template("faculty.htm")

@app.route("/stud")
def stud():
    return render_template("student.htm")

@app.route("/dept")
def dept():
    return render_template("dept.htm")

if __name__=='__main__':
    app.run(debug=True)
```

- **index.htm**

```
{% block content %}


<h1>Select Any Option To Redirect Particular Page....</h1>
<a href="/faculty"><button>Faculty</button>
<a href="/stud"><button>Student</button>
<a href="/dept"><button>Department</button>


{% endblock %}
```

- **faculty.htm**

```
<html>
<head>
    <title>Faculty Page</title>
</head>
<body>
    <h1>Welcome To Faculty Page</h1>
</body>
</html>
```

- **student.htm**

```
<html>
<head>
    <title>Student Page</title>
</head>
<body>
    <h1>Welcome To Student Page</h1>
</body>
</html>
```

- **dept.htm**

```html
<html>
<head>
    <title>Department Page</title>
</head>
<body>
    <h1>Welcome To Department Page</h1>
    <ul>
        <b>
        <li>BCA</li>
        <li>BBA</li>
        <li>MCA</li>
        <li>MBA</li>
        </b>
    </ul>
</body>
</html>
```

Output:

3. Create a Flask Application That Embed Python Code and Check Given Number Is Palindrome Series Or Not

Ans:

```python
    from flask import Flask,request

app=Flask(__name__)

def check_palindrome(num):
    temp=num
    rev=0

    while(num>0):
        dig=num%10
        rev=rev*10+dig
        num=num//10

    if(temp==rev):
        return True
    else:
        return False

@app.route("/",methods=["GET"])
def home():
    num=request.args.get("num",default=212,type=int)
    res=check_palindrome(num)

    if res:
        return f"<h1>{num} Is a Palindrome Number</h1>"
    else:
        return f"<h1>{num} Is Not Palindrome Number</h1>"

if __name__=="__main__":
    app.run(debug=True)
```
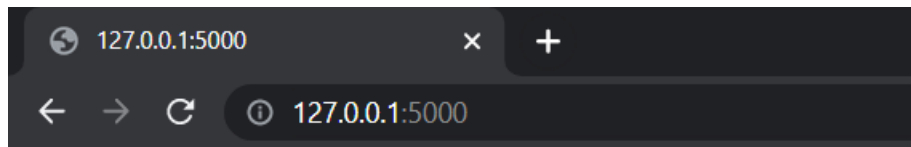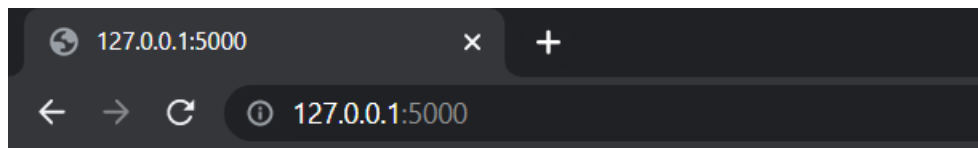
Output:

127.0.0.1:5000   ×   +

← → C   ⓘ 127.0.0.1:5000

212 Is a Palindrome Number

127.0.0.1:5000   ×   +

← → C   ⓘ 127.0.0.1:5000

506 Is Not Palindrome Number

4.Create A Student Bio-Data Like Frist Name, Last Name , Mobile No, Address etc. Using Request Object Display it In Tabular Form

Ans:

```python
from flask import Flask, render_template, request

app = Flask(__name__)

@app.route('/')
def bio():
    return render_template('bio.htm')

@app.route('/result',methods=['POST','GET'])
def result():
    if request.method == 'POST':
        result= request.form
        return render_template("result.htm",result=result)

if __name__=='__main__':
    app.run(debug = True)
```

- **bio.htm**

```html
<html>
    <body>
      <form action="http://127.0.0.1:5000/result" method="POST">
        <p>Frist Name:<input type="text" name="Frist Name"></p>
        <p>Last Name:<input type="text" name="Last Name"></p>
        <p>Mobile No:<input type="text" name="Mobile No"></p>
        <p>Department:<input type="text" name="Department"></p>
        <p>Address:<input type="text" name="Address"></p>
        <p><input type="submit" value="submit"></p>
      </form>
    </body>
</html>
```
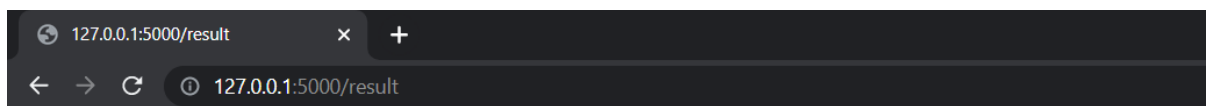
- **result.htm**

```html
<html>
    <body>
        <table border="3">
            {% for key,value in result.items() %}
            <tr>
                <th>{{key}}</th>
                <td>{{value}}</td>
            </tr>
            {% endfor %}
        </table>
    </body>
</html>
```

Output:

First Name	Jay
Last Name	Patel
Mobile No	9876543210
Department	BCA
Address	Surat