



SUPERIOR UNIVERSITY

Programming For Artificial Intelligence (Lab)

Assignment - 8

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Program:

Artificial Intelligence.

Section:

BSAI-4A

Question # 1:

Create any of the following, can use Free API & develop its "Flask" based back-end and Front-end.

Python:

```
from flask import Flask,render_template
import requests
app=Flask(__name__)
URL1="https://uselessfacts.jsph.pl/api/v2/facts/random"
@app.route("/", methods=["GET"])
def index():
    response=requests.get(URL1)
    data=response.json()
    required_text=data["text"]
    return render_template('index.html',data=required_text)
if __name__ == "__main__":
    app.run(debug=True)
```

HTML:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Random Useless Fact</title>
```

```
<style>
```

```
  /* Reset & base styling */
```

```
  * {
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    box-sizing: border-box;
```

```
    font-family: 'Poppins', sans-serif;
```

```
  }
```

```
  body {
```

```
    background: linear-gradient(135deg, #4b6cb7, #182848);
```

```
    color: #fff;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
    text-align: center;
```

```
    padding: 20px;
```

```
  }
```

```
.container {  
    background: rgba(255, 255, 255, 0.1);  
    backdrop-filter: blur(10px);  
    border-radius: 20px;  
    padding: 40px 30px;  
    max-width: 600px;  
    width: 100%;  
    box-shadow: 0 0 25px rgba(0, 0, 0, 0.2);  
    transition: all 0.3s ease;  
}
```

```
.container:hover {  
    transform: scale(1.02);  
    box-shadow: 0 0 35px rgba(0, 0, 0, 0.3);  
}
```

```
h1 {  
    font-size: 28px;  
    margin-bottom: 20px;  
    letter-spacing: 1px;  
}
```

```
p {  
    font-size: 18px;  
    line-height: 1.6;  
    color: #f0f0f0;
```

```
}
```

```
button {  
    margin-top: 25px;  
    background-color: #ffcb05;  
    color: #000;  
    border: none;  
    padding: 12px 25px;  
    border-radius: 10px;  
    font-size: 16px;  
    cursor: pointer;  
    transition: 0.3s;  
}
```

```
button:hover {  
    background-color: #ffda47;  
    transform: translateY(-2px);  
}
```

```
footer {  
    margin-top: 30px;  
    font-size: 14px;  
    color: #ddd;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">

  <h1>🤖 Random Useless Fact</h1>

  <p>{{ data }}</p>

  <form action="/" method="get">

    <button type="submit">Get Another Fact</button>

  </form>

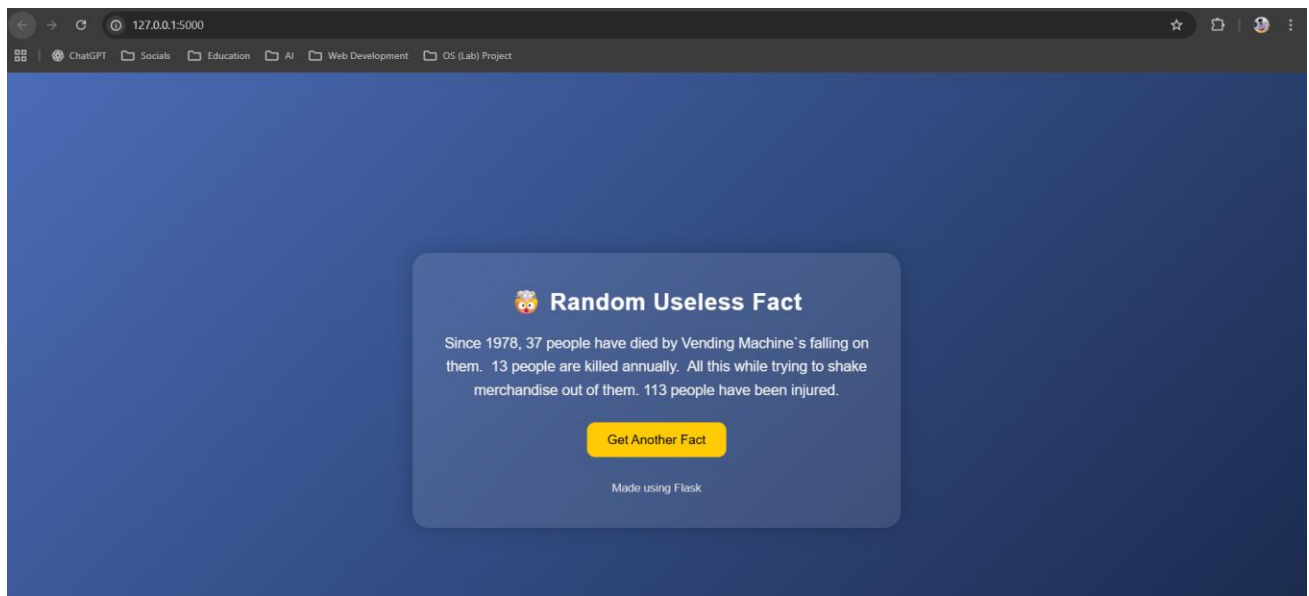
  <footer>Made using Flask</footer>

</div>

</body>

</html>
```

Output:



Documentation:

As asked I have used flask and API URL to access a random useless fact every time a page is refreshed and used html/css to give it a simple front end and added a button to get a random fact (refreshing the page also works).