

Assignment -1

html

Assignment Date	19 September 2022
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Student Roll Number	511319205009
Maximum Marks	2 Marks

Question-1: registration form using html (name, phone number, city, state, country)

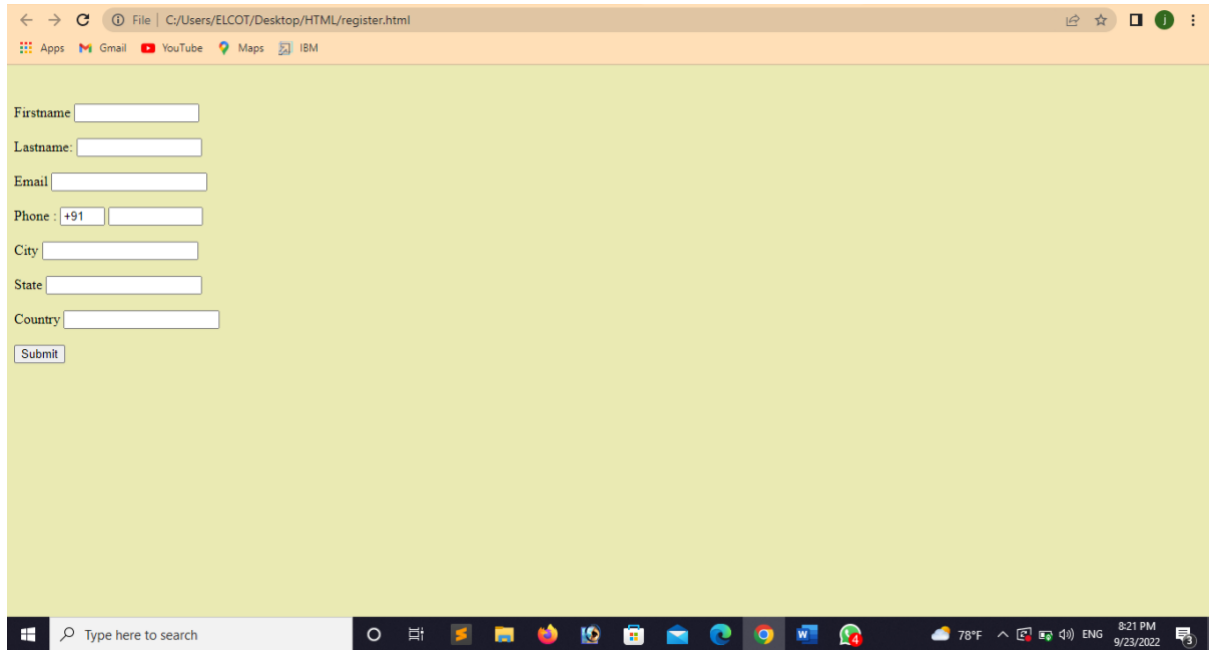
```
<Html>

    <head>
    <title>
    Registration Page
    </title>
    </head>
    <body bgcolor="EAEAB3">
    <br>
    <br>
    <form>

    <label> Firstname </label>
    <input type="text" name="firstname" size="15"/> <br> <br>
    <label> Lastname: </label>
    <input type="text" name="lastname" size="15"/> <br> <br>
    <label> Email</label>
    <input type="email" id="email" name="email"/> <br> <br>
    <label>
    Phone :
    </label>
    <input type="text" name="country code" value="+91" size="2"/>
    <input type="text" name="phone" size="10"/> <br> <br>
    <label>City</label>
    <input type="text" id="city" name="city"/> <br> <br>
    <label>State</label>
    <input type="text" id="State" name="state"/> <br> <br>
    <label>Country</label>
    <input type="text" id="Country" name="country"/> <br> <br>

    <input type="button" value="Submit"/>
    </form>
    </body>
</html>
```

Output:



A screenshot of a web browser window displaying a registration form. The browser's address bar shows the file path 'C:/Users/ELCOT/Desktop/HTML/register.html'. The form is set against a light green background and includes input fields for 'Firstname', 'Lastname', 'Email', 'Phone' (with a '+91' prefix), 'City', 'State', and 'Country'. A 'Submit' button is located at the bottom left of the form area. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 8:21 PM on 9/23/2022.

Module 3: python assignment

Question-1:

List function:

python assignment

my list

```
my_list = [1, 2, 3] print(my_list)
```

ii) remove: (delete the first occurrence of integer)

```
In [3]: my_list = [1, 2, 3]
del my_list[0]
print(my_list)

[2, 3]
```

iii) append: (insert a integer at end of the list)

```
In [4]: my_list = [1, 2, 3]
my_list.append(4)
print(my_list)

[1, 2, 3, 4]
```

IV) sort: (sort the list)

```
In [5]: my_list = [5, 3, 2, 5, 7, 9, 1, 0, 4]
my_list.sort()
print(my_list)

[0, 1, 2, 3, 4, 5, 7, 9]
```

V) pop: (pop the last element from the list)

```
In [7]: my_list = [5,3,2,5,7,9,1,0,4]
        my_list.pop(8)
        print(my_list)

[5, 3, 2, 5, 7, 9, 1, 0]
```

VI) reverse: (reverse the list)

```
In [9]: my_list = [1,2,3,4,5,6,7,8,9]
        my_list.reverse
        print(my_list)

[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

Question-2:

Simple Calculator using python:

Code:

```
def add(x, y):
```

```
    return x + y
```

```
def subtract(x, y):
```

```
    return x - y
```

```
def multiply(x, y):
```

```
    return x * y
```

```
def divide(x, y):
```

```
    return x / y
```

```
print("Select operation.")
```

```
print("1.Add")
```

```
print("2.Subtract")
```

```
print("3.Multiply")
```

```
print("4.Divide")
```

```
while True:
```

```
    choice = input("Enter choice(1/2/3/4): ")
```

```
    if choice in ('1', '2', '3', '4'):
```

```
        num1 = float(input("Enter first number: "))
```

```
        num2 = float(input("Enter second number: "))
```

```
        if choice == '1':
```

```
print(num1, "+", num2, "=", add(num1, num2))
```

```
elif choice == '2':
```

```
print(num1, "-", num2, "=", subtract(num1, num2))
```

```
elif choice == '3':
```

```
print(num1, "*", num2, "=", multiply(num1, num2))
```

```
elif choice == '4':
```

```
print(num1, "/", num2, "=", divide(num1, num2))
```

output:

```
Select operation.  
1.Add  
2.Subtract  
3.Multiply  
4.Divide  
Enter choice(1/2/3/4): 3  
Enter first number: 2  
Enter second number: 23  
2.0 * 23.0 = 46.0
```

Question 3:

Write a program to concatenate, reverse and slice a string

String concatenate code:

```
str_1='hello '
```

```
str_2='world'
```

```
str_3=str_1+str_2
```

```
print(str_3)
```

output

```
In [4]: str_1='hello '  
str_2='world'  
str_3=str_1+str_2  
print(str_3)
```

```
hello world
```

String reverse code:

```
def reverse(s):  
    str = ""  
    for i in s:  
        str = i + str  
    return str  
  
s = "ibm_assignments"  
print("The original string is : ", end="")  
print(s)  
print("The reversed string(using loops) is : ", end="")  
print(reverse(s))
```

output:

```
In [5]: def reverse(s):  
        str = ""  
        for i in s:  
            str = i + str  
        return str  
  
s = "ibm_assignments"  
  
print("The original string is : ", end="")  
print(s)  
  
print("The reversed string(using loops) is : ", end="")  
print(reverse(s))  
  
The original string is : ibm_assignments  
The reversed string(using loops) is : stnemngissa_mbi
```

String slice code:

```
String = 'smartinternz'  
  
s1 = slice(3)  
  
s2 = slice(1, 5, 2)  
  
print(String[s1])  
print(String[s2])
```

output:

```
In [7]: String = 'smartinternz'  
s1 = slice(3)  
s2 = slice(1, 5, 2)  
print(String[s1])  
print(String[s2])  
  
sma  
mr
```

Question-4:**Why python is popular programming language?**

Easy to learn, because of simplified syntax with an emphasis on natural language. Python is free to use and is supported by an extremely large ecosystem of libraries and packages

Question-5:**What are the other framework that can be used in python ?**

Flask, streamlit, django, cherryPy

Question-6**Full form of WSGI**

Web Services gateway interface