Assignment -1

html

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

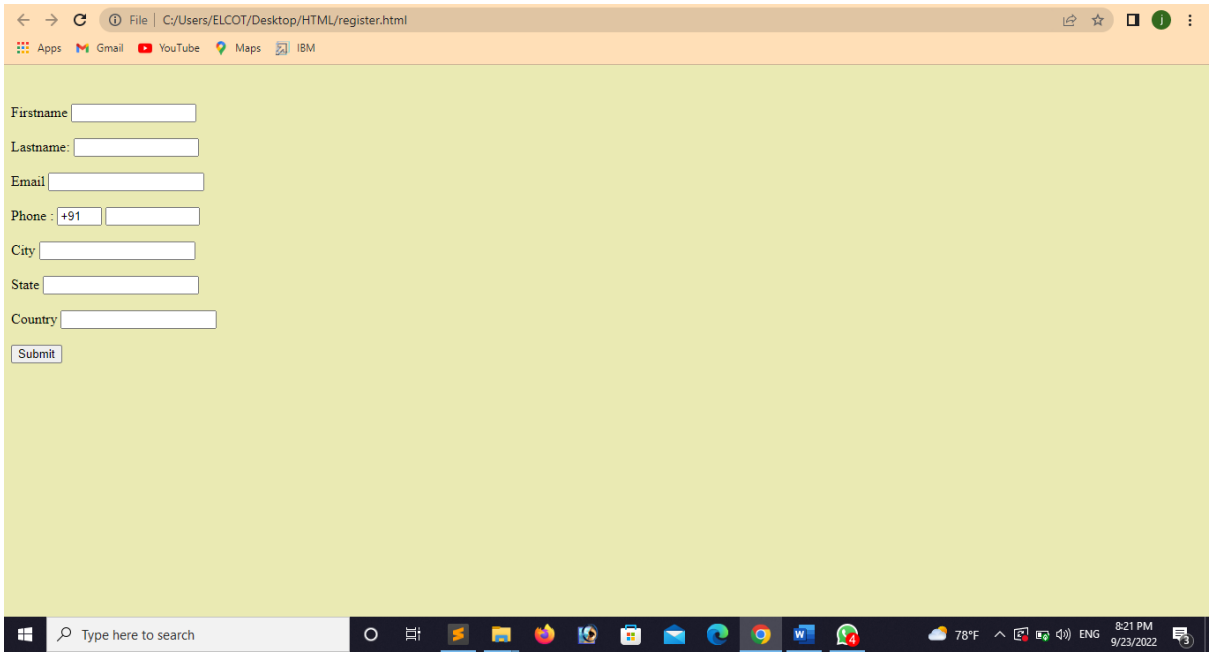
Question-1: registration form using html (name, phone number, city, state, country)

```
<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:



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 occurance 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)
```

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

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, beacuase 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 WSDI

Web Services Description Language