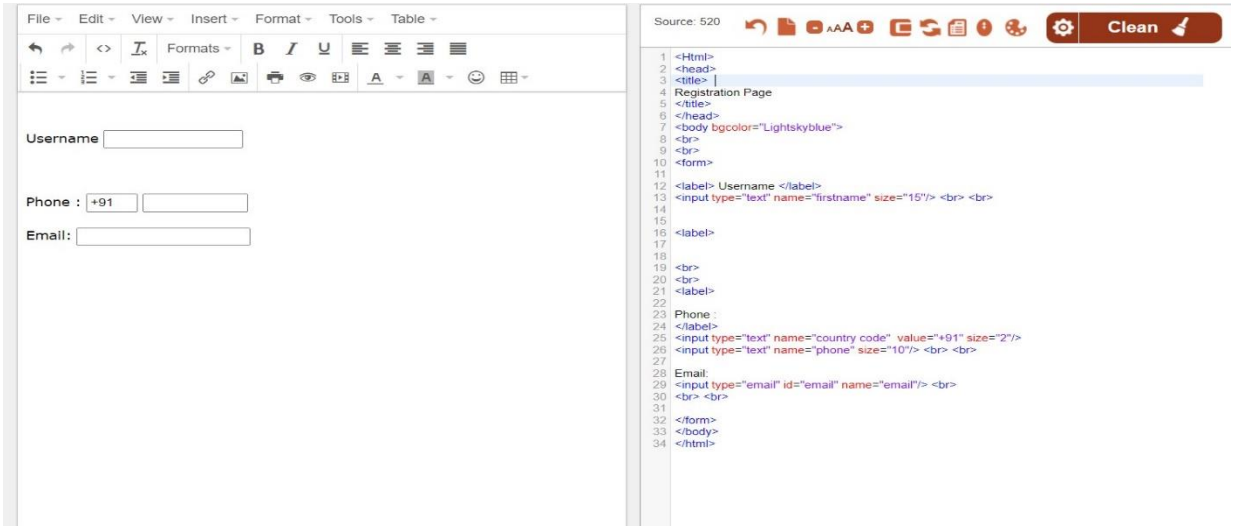
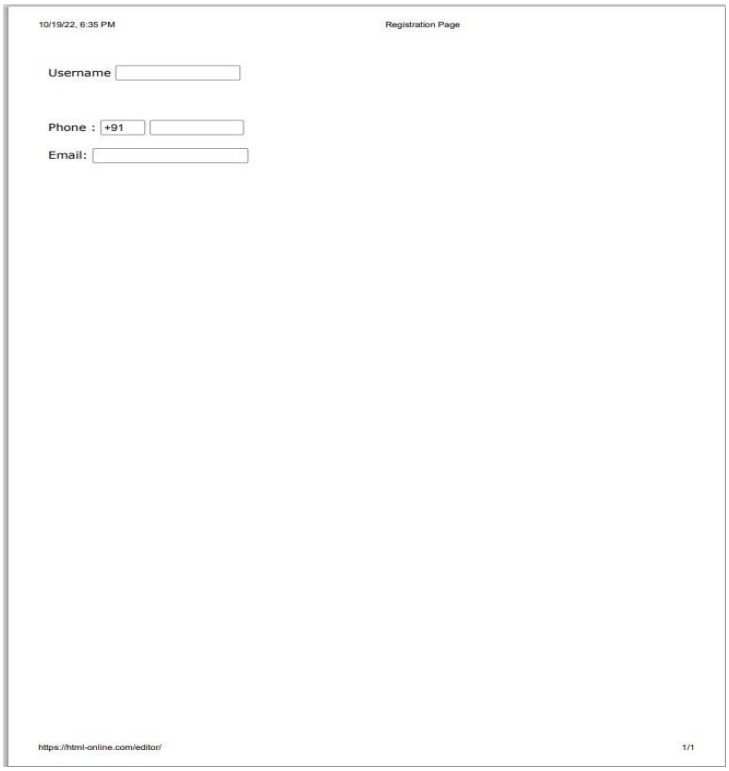
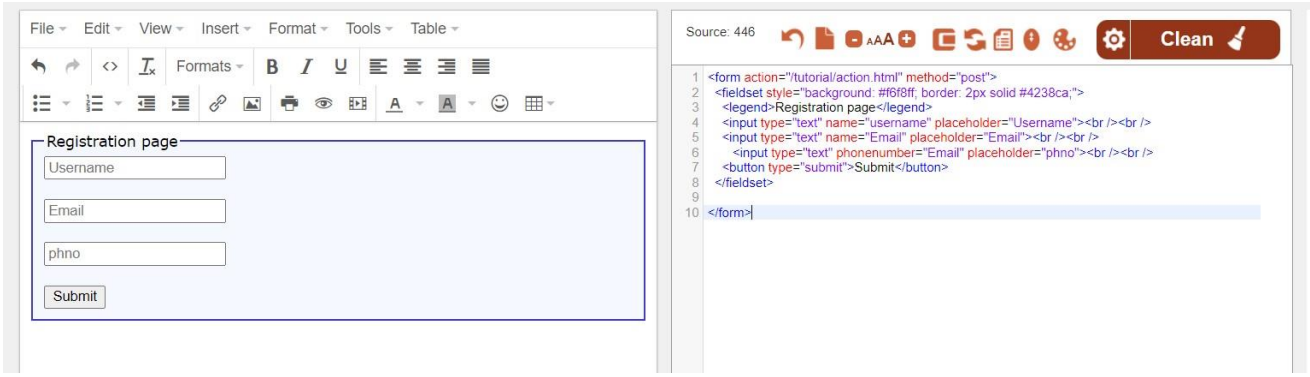
Assignment-1

Question-1:

Create registration page in html with username, email, and phone number and by using POST method display it in next html page.







Question-2:

Develop a Flask program which should contain at least 5 packages used from pypi.org

```
#1. NUMPY
  import numpy as np

  arr = np.array([[-1, 2, 0, 4],
                  [4, -0.5, 6, 0],
                  [2.6, 0, 7, 8],
                  [3, -7, 4, 2.0]])
  print("Initial Array: ")
  print(arr)

  Initial Array:
  [[-1.   2.   0.   4. ]
   [ 4.  -0.5  6.   0. ]
   [ 2.6  0.   7.   8. ]
   [ 3.  -7.   4.   2. ]]

  #2. PANDAS
  import pandas as pd

  s1 = pd.Series([1, 3, 4, 5, 6, 2, 9])

  s2 = pd.Series([1.1, 3.5, 4.7, 5.8, 2.9, 9.3])

  s3 = pd.Series(['a', 'b', 'c', 'd', 'e'])

  Data ={'first':s1, 'second':s2, 'third':s3}

  df = pd.read_csv('/content/sample_data/ds_salaries.csv')
  print(df)
```

	Unnamed: 0	work_year	experience_level	employment_type	job_title	salary	salary_currency	salary_in_usd
0	0	2020	MI	FT	Data Scientist	70000	EUR	79833
1	1	2020	SE	FT	Machine Learning Scientist	260000	USD	260000
2	2	2020	SE	FT	Big Data Engineer	85000	GBP	109024
3	3	2020	MI	FT	Product Data Analyst	20000	USD	20000
4	4	2020	SE	FT	Machine Learning Engineer	150000	USD	150000
..	...	...	...	...	...	...	...	...
602	602	2022	SE	FT	Data Engineer	154000	USD	154000
603	603	2022	SE	FT	Data Engineer	126000	USD	126000
604	604	2022	SE	FT	Data Analyst	129000	USD	129000
605	605	2022	SE	FT	Data Analyst	150000	USD	150000
606	606	2022	MI	FT	AI Scientist	200000	USD	200000

	employee_residence	remote_ratio	company_location	company_size
0	DE	0	DE	L
1	JP	0	JP	S
2	GB	50	GB	M
3	HN	0	HN	S
4	US	50	US	L
..	...	...	...	...
602	US	100	US	M
603	US	100	US	M
604	US	0	US	M
605	US	100	US	M
606	IN	100	US	L

[607 rows x 12 columns]

```
#3. SEABORN
import seaborn as sns

sns.pairplot(df,hue="salary",height=3)
```

```
<seaborn.axisgrid.PairGrid at 0x7f32024d5650>
```