Date:16.10.2021

Third Year B. Tech., Sem V 2021-22

Programming Lab 3

Practical No-5B

PRN/Roll No: 2019BTECS00064

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Batch: T2

Title of Practical: To design and develop web pages using HTML fundamental and formatting elements

Problem Statement 1:

Design and develop a static web page using HTML for Astronomy blog. Access it locally and in LAN using web server.

It should have following sections:

- 1. Header Title and authorship information of a blog
- 2. Three links to other astronomy blogs
- 3. Article At least two articles should be there
- 4. Contact Information of author

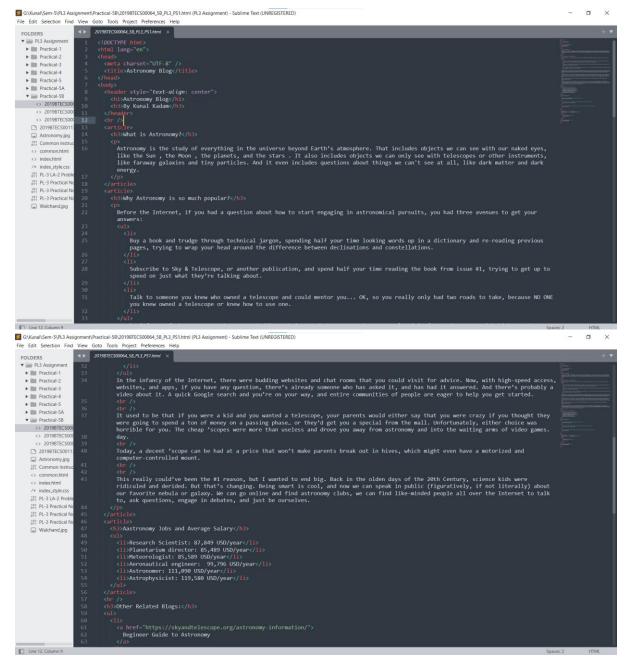
It should have following tags:

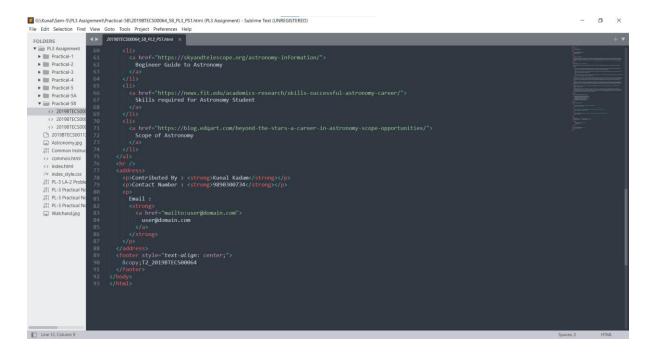
- Use semantic tags appropriately (<section>, <header>, <footer>,
 <article>,
- 2. <aside> and <nav>)
- 3. Use <h1> to <h6> tags at least once.
- 4. Use single line break tag.

- 5. Use <a> tags in the articles with the absolute and relative URLs.
- 6. Use thematic grouping for different sections and articles using <hr> tag.
- 7. Use and instead of and <i> resp.
- 8. Use <address> tag for displaying author's information.

Ans:

Code:





Output:



Before the Internet, if you had a question about how to start engaging in astronomical pursuits, you had three avenues to get your answers:

- Buy a book and trudge through technical jargon, spending half your time looking words up in a dictionary and re-reading previous pages, trying to wrap your head around the difference between declinations and constellations.
 Subscribe to Sky & Telescope, or another publication, and spend half your time reading the book from issue #1, trying to get up to speed on just what they're talking about.
 Talk to someone you knew who owned a telescope and could mentor you... OK, so you really only had two roads to take, because NO ONE you knew owned a telescope or knew how to use one.

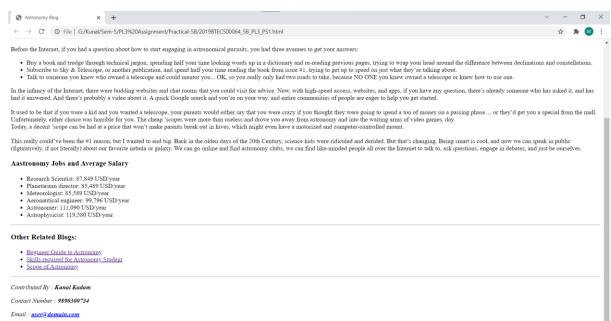
In the infancy of the Internet, there were budding websites and chat rooms that you could visit for advice. Now, with high-speed access, websites, and apps, if you have any question, there's already someone who has asked it, and has had it answered. And there's probably a video about it. A quick Google search and you're on your way, and entire communities of people are eager to help you get started.

It used to be that if you were a kid and you wanted a telescope, your parents would either say that you were crazy if you thought they were going to spend a ton of money on a passing phase... or they'd get you a special from the mall. Unfortunately, either choice was horible for you. The cheap 'scopes were more than useless and drove you away from astronomy and into the waiting arms of video games, day. Today, a decent 'scope can be had at a price that won't make parents break out in hives, which might even have a motorized and computer-controlled mount.

This really could've been the #I reason, but I wanted to end big. Back in the olden days of the 20th Century, science kids were ridiculed and derided. But that's changing. Being smart is cool, and now we can speak in public (figuratively, if not literally) about our favorite nebula or galaxy. We can go online and find astronomy clubs, we can find like-minded people all over the Internet to talk to, ask questions, engage in debates, and just be oursel

Aastronomy Jobs and Average Salary

- Research Scientist: 87,849 USD/year
 Planetarium director: 85,489 USD/year
 Meteorologist: 85,589 USD/year
 Aeronautical engineer: 99,796 USD/year
 Astronomer: 111,090 USD/year
 Astrophysicist: 119,580 USD/year



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Problem Statement 2:

Design and develop a static web page using HTML for following requirement. Access it locally and in LAN using web server.

It should have following sections:

- 1. Problem Statement: Write a program in any language to read 10 numbers from keyboard and find their sum and average.
- 2. Code
- 3. Sample Input
- 4. Sample Output
- 5. Variables used in the program
- 6. Complexity

It should have following tags:

- Use semantic tags appropriately (<section>, <header>, <footer>,
 <article>, <aside> and <nav>)
- 2. Use <code>, <samp>, <kbd>, and <var> at least once.
- 3. Use <s>, <small>, <sub> and <sup> at least once.
- 4. Use <h1> to <h6> tags at least once.
- 5. Use single line break tag.
- 6. Use thematic grouping for different sections using <hr> tag.
- 7. Add the reference link for the algorithm using <a> tag.

Ans:

Code:

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                                                                                                            icode>
#include < bits/stdc++,h >
using namespace std;
// function to take 10 numbers and
//find sum and average
float average(int arr[])
                                                                                                                                                                        {
  float ans=0.;
  for(int i=0;i<10;i++)
    ans+=arr[i];
  return ans/10.0;</pre>
                                                                                                                                                                           int sum(int arr[])
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Practical-1

Practical-2

Practical-3

Practical-3

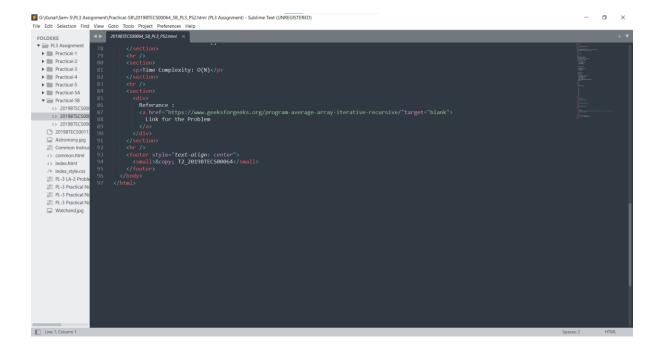
Practical-3

Practical-5

Practical-6

Practical-7

                                                                                                                                                                 int main()
{
  int arr[10];
  cout<<"Enter 10 numbers: \n";
  for(int i=0;i<10;i++)
    cin>>arr[i];
  cout<< "Sum is: ";
  cout<< "Sum is: ";
  cout<< "Average is: "<< average(arr);
  return 0;</pre>
                                                                                                                                                         Line 1, Column 1
```



Output:

```
First Sum and Junespee x

Write a program in any language to read 10 numbers from keyboard and find their sum and average.

Write a program in any language to read 10 numbers from keyboard and find their sum and average.

CPP Code:

#include < bits/stdc++, > using menepace std;
// find sum and average | final averag
```

Problem Statement 3:

Design and develop a static web page using HTML for following requirement. Access it locally and in LAN using web server.

It should have following sections:

1. Any three quotes from https://www.brainyquote.com/ with the name of person who quoted it.

It should have following tags:

- Use semantic tags appropriately (<section>, <header>, <footer>,
 <article>, <aside> and <nav>)
- 2. Use <blockquote> and <quote> tags.
- 3. Use <h1> to <h6> tags at least once.
- 4. Use single line break tag.
- 5. Use thematic grouping for different sections using <hr> tag.
- 6. Add the reference link using <a> tag.

Ans:

Code:

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Output:



Github Link:

https://github.com/KunalKadam64/PL3-Practicals/tree/main/Practical-5B