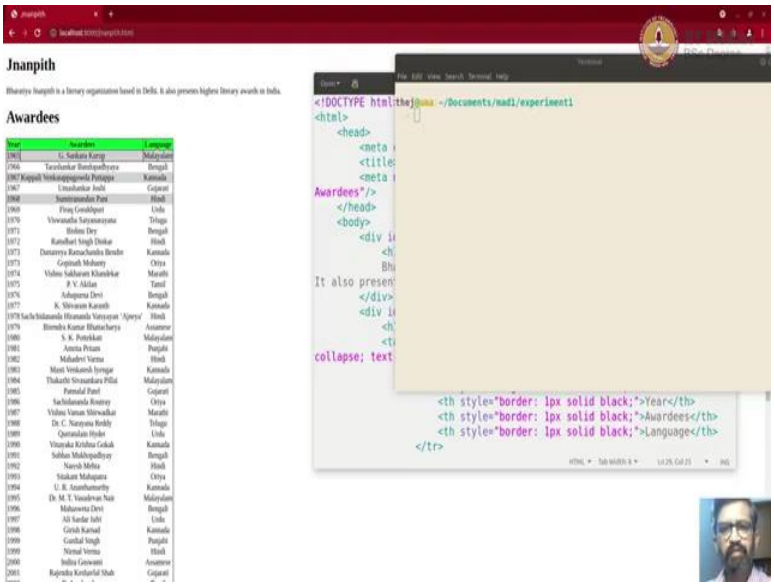
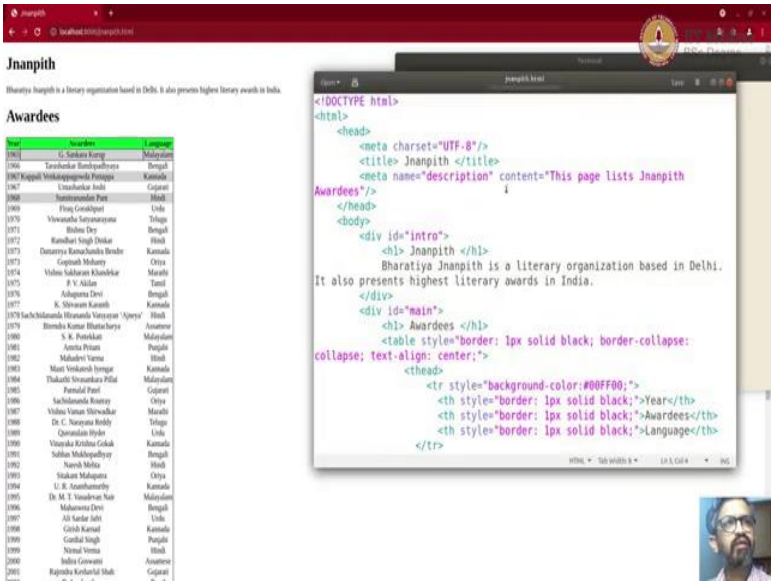
IIT Madras

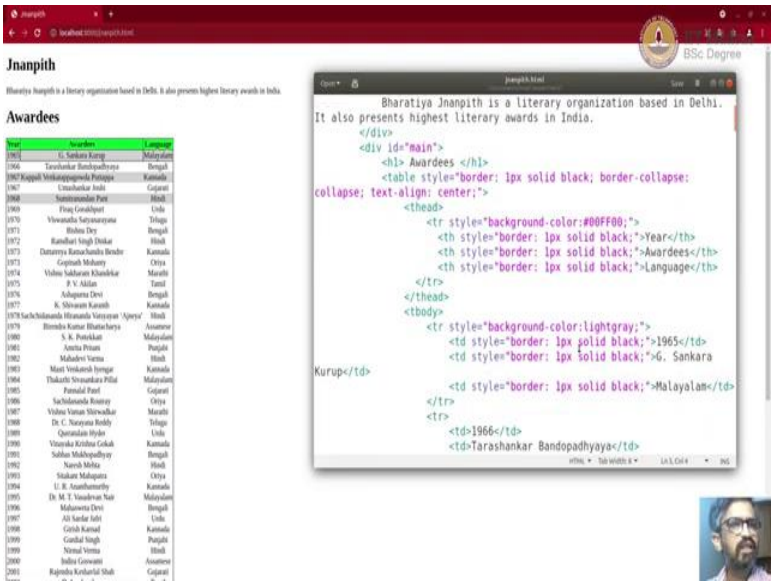
ONLINE DEGREE

Modern Application Development - 1
Professor Thejesh G N
Software Consultant
IITM BSc Degree
Indian Instituted of Technology, Madras
Introduction to Internal and External CSS

(Refer Slide Time: 0:16)

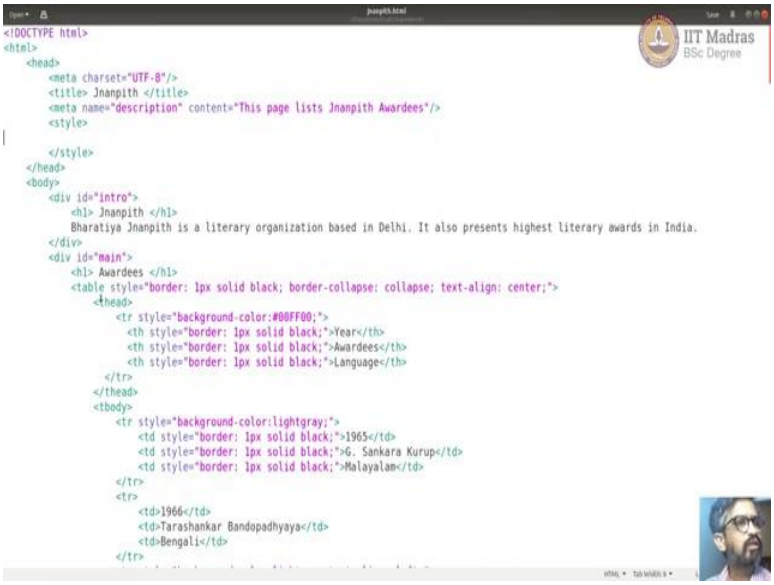


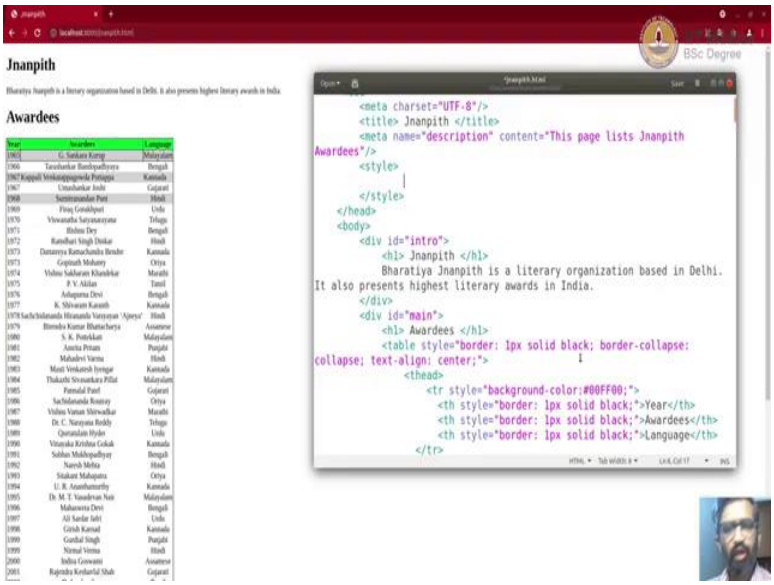




Hi, welcome back to the Modern Application Development screencast. In this short screencast, we will learn how to separate the style and content in our HTML document. Before we start, as usual, make sure you have a browser, you have an editor, and you have a terminal open. And we are going to continue with the file that we left last time, I am going to do a recap small one, just to remind you, we had styled certain items in this HTML with inline styling, like we learned the way we did it is very inefficient, and prone to errors. And it makes us both content and style together, we want to do a better way of doing it.

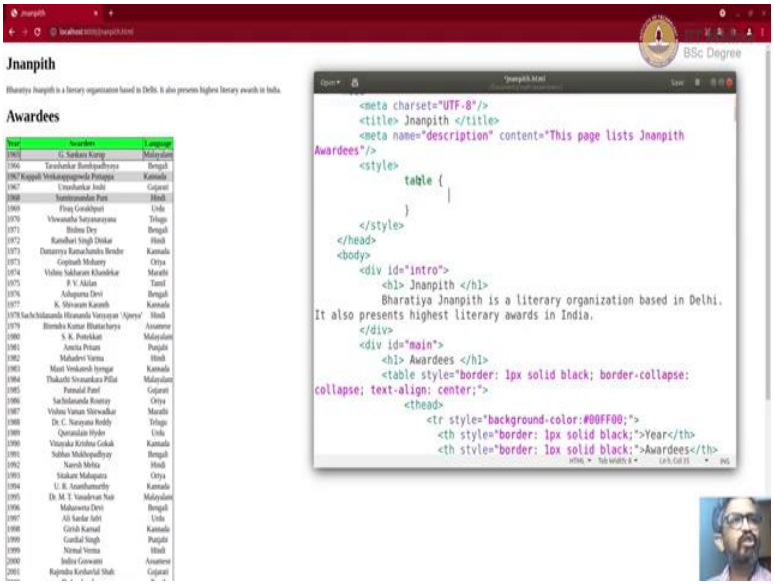
(Refer Slide Time: 1:06)




Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandyopadhyaya Bengali
1967 Kuppalli Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Pottekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese
2001 Rajendra Keshavlal Shah Gujarati
<meta charset="UTF-8"/>
<title> Jnanpith </title>
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
</style>
</head>
<body>

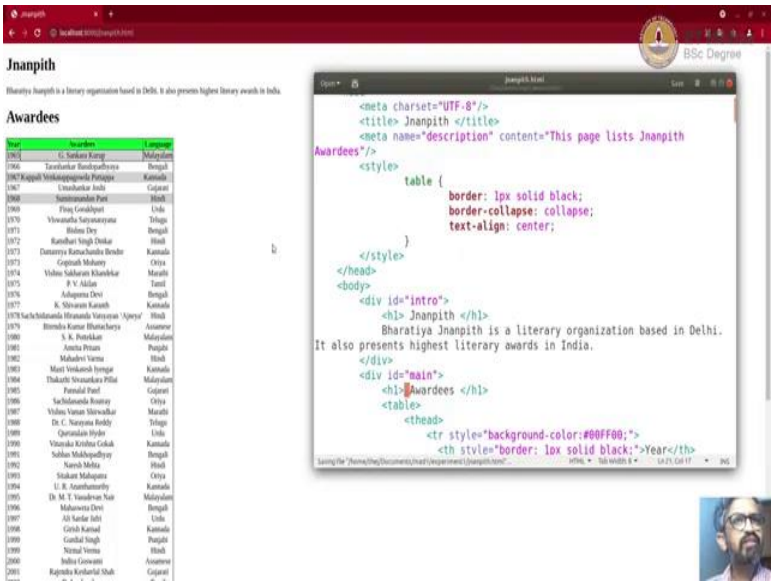
<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

<h1> Awardees </h1>
<table style="border: 1px solid black; border-collapse: collapse; text-align: center;">
<thead>
<tr style="background-color:#00FF00;">
<th style="border: 1px solid black;">Year</th>
<th style="border: 1px solid black;">Awardees</th>
<th style="border: 1px solid black;">Language</th>
</tr>


Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandyopadhyaya Bengali
1967 Kuppalli Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Pottekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese
2001 Rajendra Keshavlal Shah Gujarati
table {
}
<meta charset="UTF-8"/>
<title> Jnanpith </title>
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
</style>
</head>
<body>

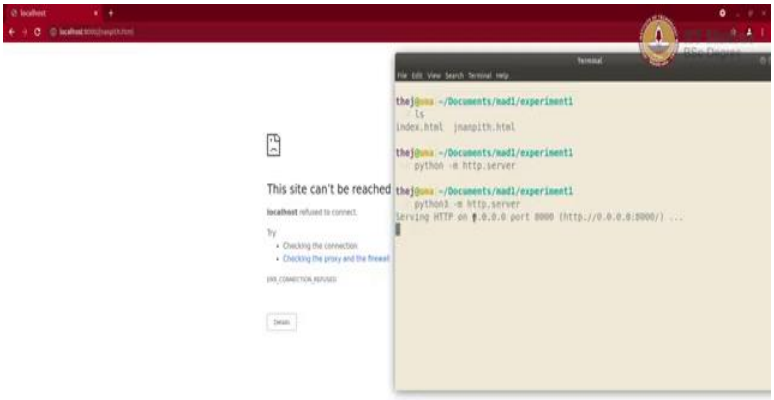
<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

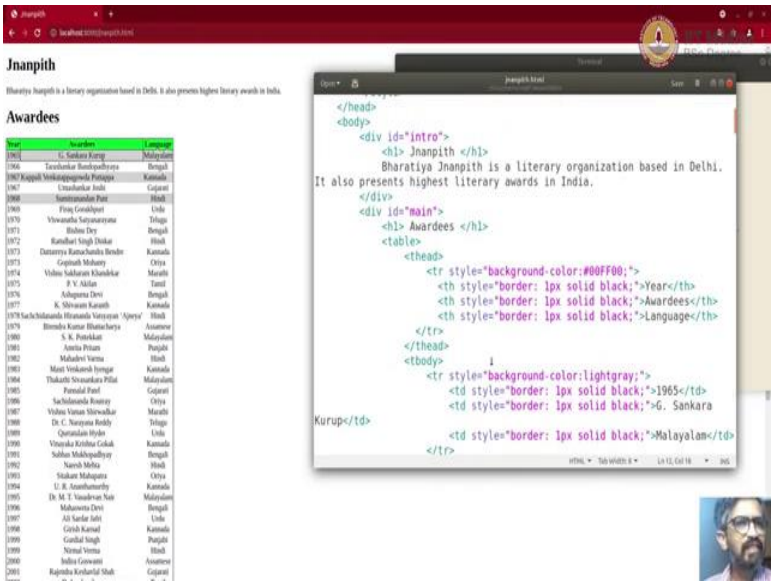
<h1> Awardees </h1>
<table style="border: 1px solid black; border-collapse: collapse; text-align: center;">
<thead>
<tr style="background-color:#00FF00;">
<th style="border: 1px solid black;">Year</th>
<th stvle="border: 1px solid black;">Awardees</th>


Jnanpith
localhost:8000/jnanpith.html
BSc Degree
Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year
Awardees
Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandopadhyaya Bengali
1967 Kuppalli Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Pottekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese
2001 Rajendra Keshavlal Shah Gujarati
Jnanpith.html
Open
Save
<meta charset="UTF-8"/>
<title> Jnanpith </title>
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
</style>
</head>
<body>

<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

<h1>Awardees </h1>
<table>
<thead>
<tr style="background-color:#00FF00;">
<th style="border: 1px solid black;">Year</th>
Saving file "/home/thej/Documents/mad1/experiment1/jnanpith.html"...
HTML
Tab Width: 8
Ln 21, Col 17
INS


localhost
localhost:8000/jnanpith.html
BSc Degree
This site can't be reached
localhost refused to connect.
Try:
Checking the connection
Checking the proxy and the firewall
ERR_CONNECTION_REFUSED
Details
Terminal
File Edit View Search Terminal Help
thej@una ~/Documents/mad1/experiment1
ls
index.html jnanpith.html
thej@una ~/Documents/mad1/experiment1
python -m http.server
thej@una ~/Documents/mad1/experiment1
python3 -m http.server
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...



And we will do that, by separating out the style and content in the, there two ways to do it in the first way, we will add a style tag at the top of the document, let us add that. We added the style tag within a <head>. So, here we are going to define some styles, that is going to be used across.

Now actually, we are going to modify the same document. And let us out like remove the style, inline style and move the style to the style inside the style tags here in the head. And keep this design same, there are many ways to do it. Like one, the one which we are going to use is by the tag name, we are going to style the tag.

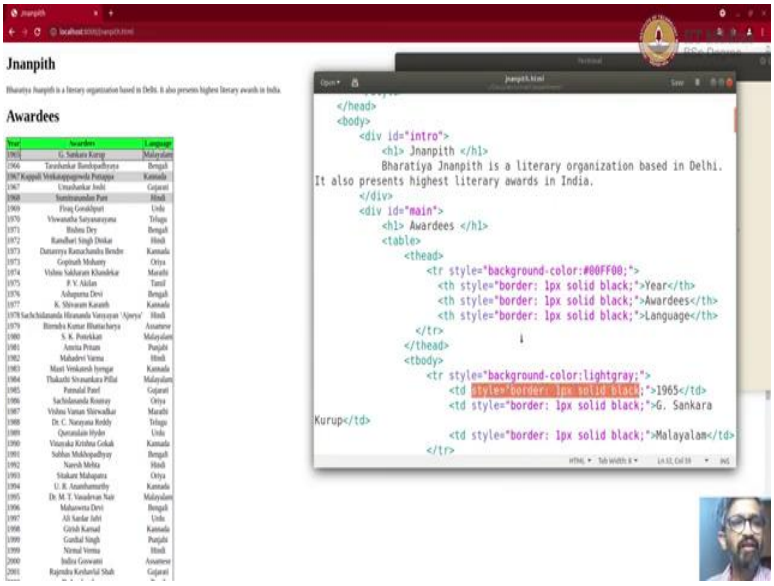
Since we have only one table, we can just know style that table directly. That is done by actual defining the style first, using a tag selector. Now, we want to apply style to a table. So, we will do table and we will open the flower bracket and close the flower bracket, within this will define whatever the style that needs to be applied to all the table documents, all the table elements within this document.

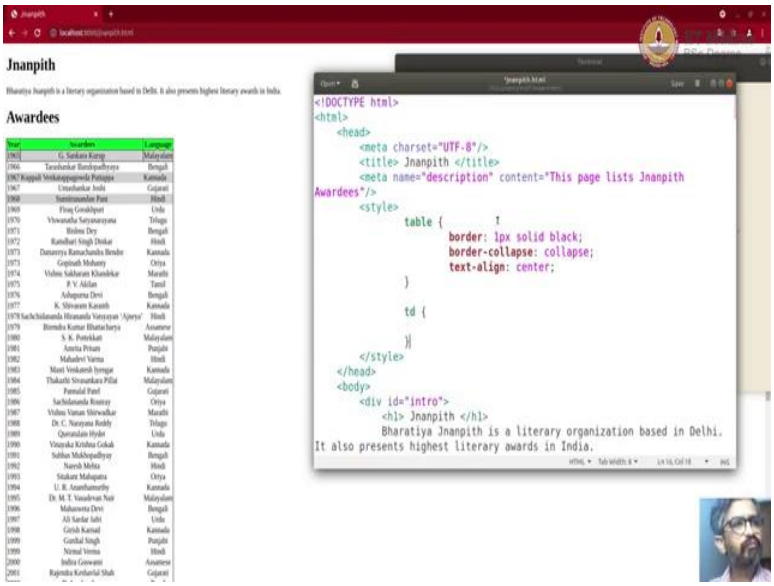
Now, since I already have the style here, I am going to copy this style and paste it here. Just going to make it clean, look clean, by separating each style parameter per line and save it. Now, you can see I have removed the style here and added the table level style here. So, I am going to save this. I am going to reload.

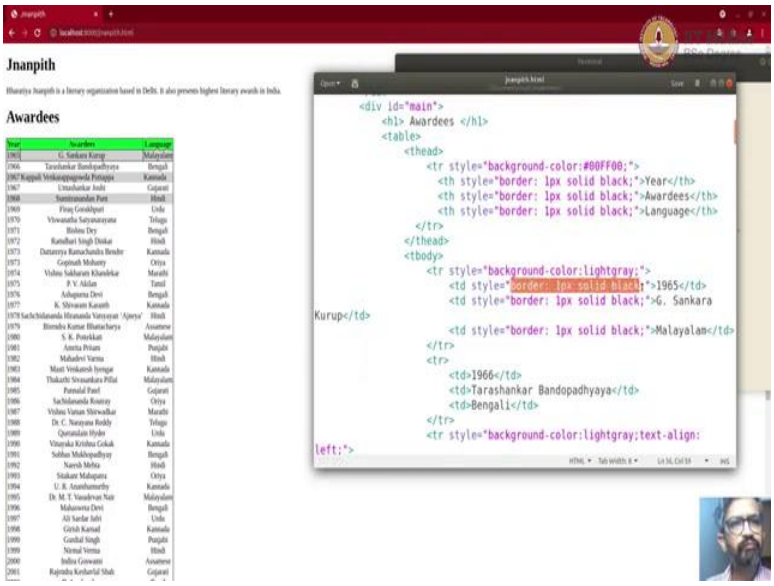
Now, you see how the table looks like it is center aligned. collapsible with border one black pixel here is the border. Yeah. Oh, what happened? Actually, we did not start the server, so let us start a server. That is done by similarly python -m http.server. Python 3. Now, our server is running,

now we should be able to refresh. So, as you can see, it remains the same. And now we are actually removed the style from the tag and let us move it to the top. Now, it is table there was only one table, it did not make much difference in terms of effort.

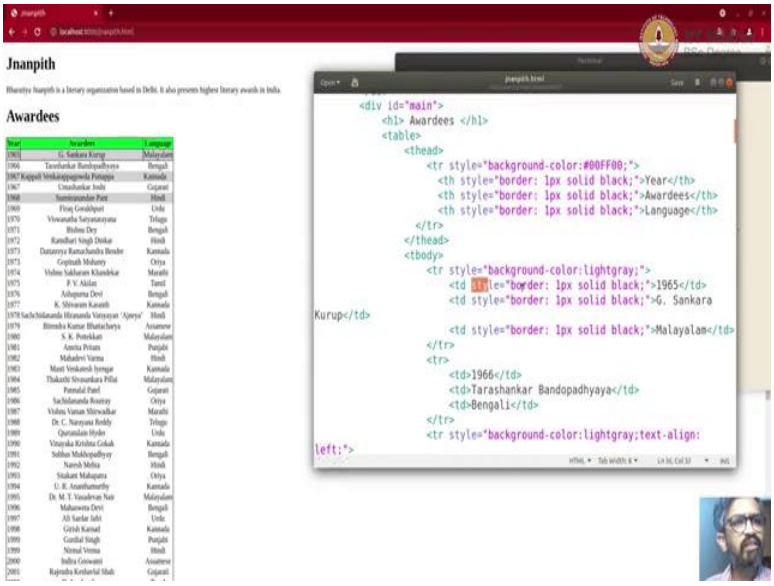
(Refer Slide Time: 4:04)






Jnanpith
localhost:8000/jnanpith.html
Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandopadhyaya Bengali
1967 Kuppali Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Potekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese
2001 Rajendra Keshavlal Shah Gujarati
jnanpith.html

<h1> Awardees </h1>
<table>
<thead>
<tr style="background-color:#00FF00;">
<th style="border: 1px solid black;">Year</th>
<th style="border: 1px solid black;">Awardees</th>
<th style="border: 1px solid black;">Language</th>
</tr>
</thead>
<tbody>
<tr style="background-color:lightgray;">
<td style="border: 1px solid black;">1965</td>
<td style="border: 1px solid black;">G. Sankara
Kurup</td>
<td style="border: 1px solid black;">Malayalam</td>
</tr>
<tr>
<td>1966</td>
<td>Tarashankar Bandopadhyaya</td>
<td>Bengali</td>
</tr>
<tr style="background-color:lightgray;text-align:
left;">
HTML Tab Width: 8 Ln 34, Col 59 INS


Jnanpith
localhost:8000/jnanpith.html
Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandopadhyaya Bengali
1967 Kuppali Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Potekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese
2001 Rajendra Keshavlal Shah Gujarati
jnanpith.html

<h1> Awardees </h1>
<table>
<thead>
<tr style="background-color:#00FF00;">
<th style="border: 1px solid black;">Year</th>
<th style="border: 1px solid black;">Awardees</th>
<th style="border: 1px solid black;">Language</th>
</tr>
</thead>
<tbody>
<tr style="background-color:lightgray;">
<td style="border: 1px solid black;">1965</td>
<td style="border: 1px solid black;">G. Sankara
Kurup</td>
<td style="border: 1px solid black;">Malayalam</td>
</tr>
<tr>
<td>1966</td>
<td>Tarashankar Bandopadhyaya</td>
<td>Bengali</td>
</tr>
<tr style="background-color:lightgray;text-align:
left;">
HTML Tab Width: 8 Ln 34, Col 57 INS

Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi
2000	Indira Goswami	Assamese
2001	Rajendra Keshavlal Shah	Gujarati

```
        <div id="main">
            <h1> Awardees </h1>
            <table>
                <thead>
                    <tr style="background-color:#00FF00;">
                      <th style="border: 1px solid black;">Year</th>
                      <th style="border: 1px solid black;">Awardees</th>
                      <th style="border: 1px solid black;">Language</th>
                    </tr>
                </thead>
                <tbody>
                    <tr style="background-color:lightgray;">
                        <td>1965</td>
                        <td>G. Sankara Kurup</td>
                        <td>Malayalam</td>
                    </tr>
                    <tr>
                        <td>1966</td>
                        <td>Tarashankar Bandopadhyaya</td>
                        <td>Bengali</td>
                    </tr>
                    <tr style="background-color:lightgray;text-align:
left;">
                        <td>1967</td>
```

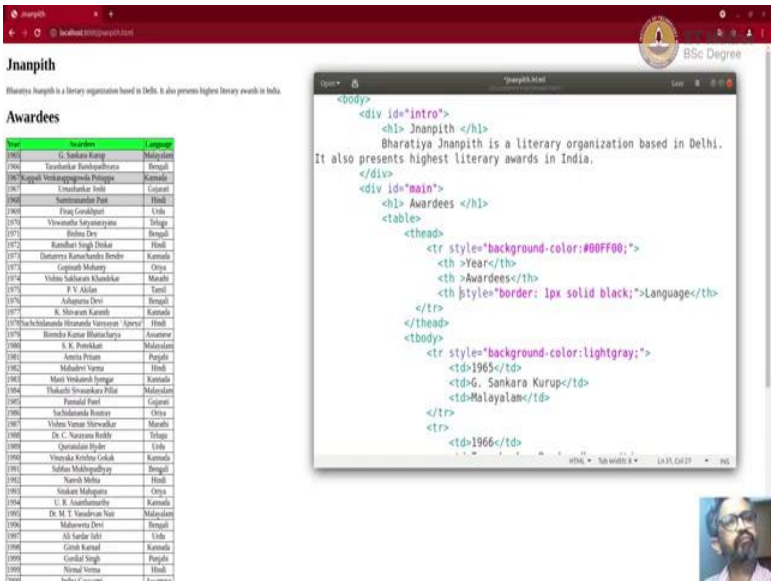
Jnanpith

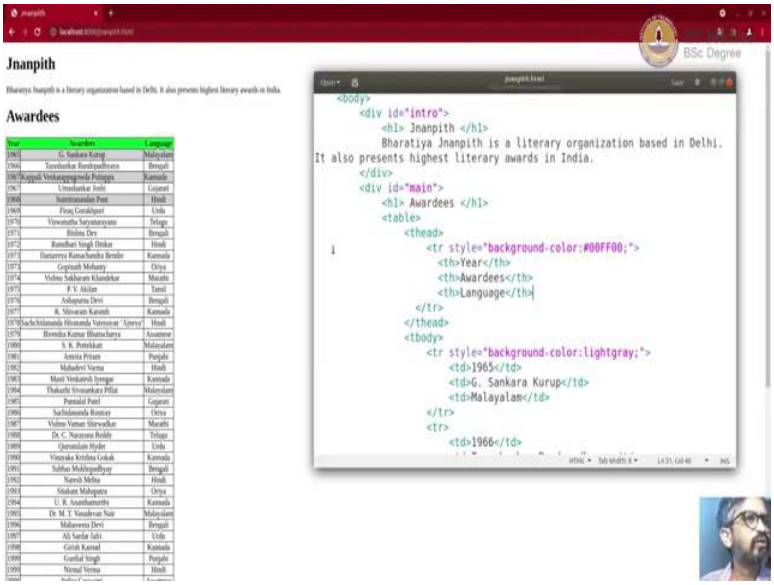
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi


```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8"/>
        <title> Jnanpith </title>
        <meta name="description" content="This page lists Jnanpith
Awardees"/>
        <style>
                table {
                        border: 1px solid black;
                        border-collapse: collapse;
                        text-align: center;
                }

                td {
                        border: 1px solid black;
                }
        </style>
    </head>
    <body>
        <div id="intro">
            <h1> Jnanpith </h1>
            Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.
```

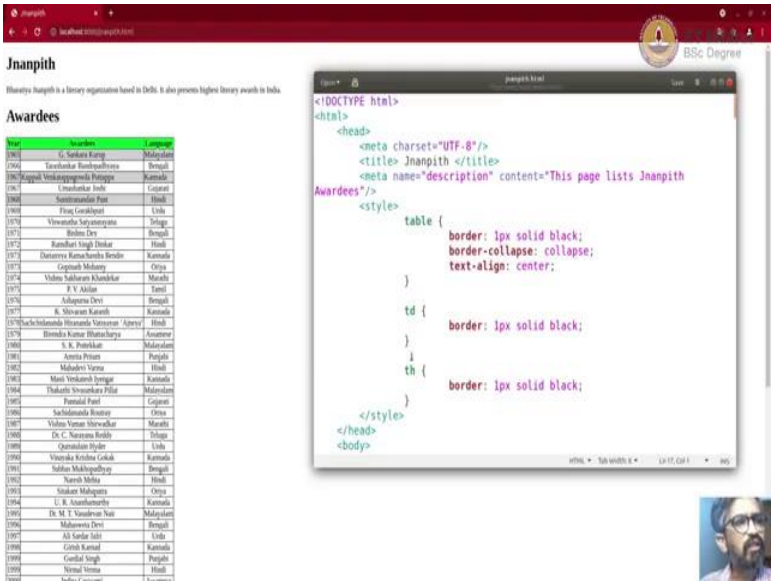


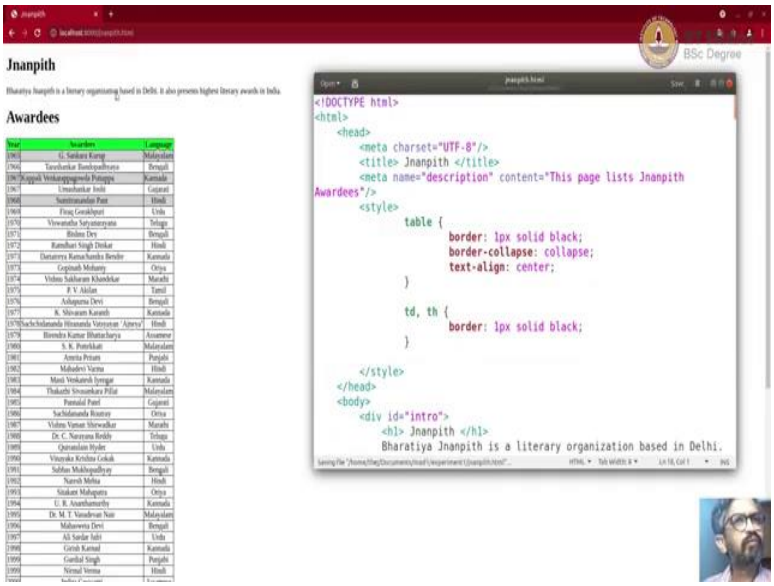


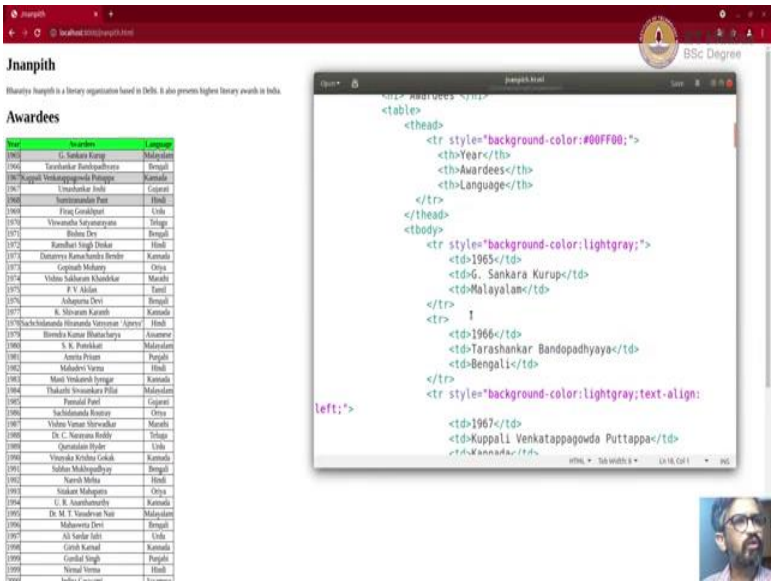
Let us see if we can do the same thing for cells. Because each cell we are saying that, we are going to make it look like border: 1 pixel solid black, we are going to do it for all the cells, yet we are not done. But let us see whether you can do here. So, let us style a t. Similarly, td. I am going to copy the style of the td and put it here. And remove currently all the td styles. So, that is it there is only one td that we had background border.

So, I am going to save and reload. Now, you can see can see the efficiency of it. Now, the style has been applied to all the td, across the document, as you can see, but we still have our th here, it still has a style, if I remove this, say, let us save it and refresh it, it is gone here, you can see it on the border is gone in that header.

(Refer Slide Time: 5:51)

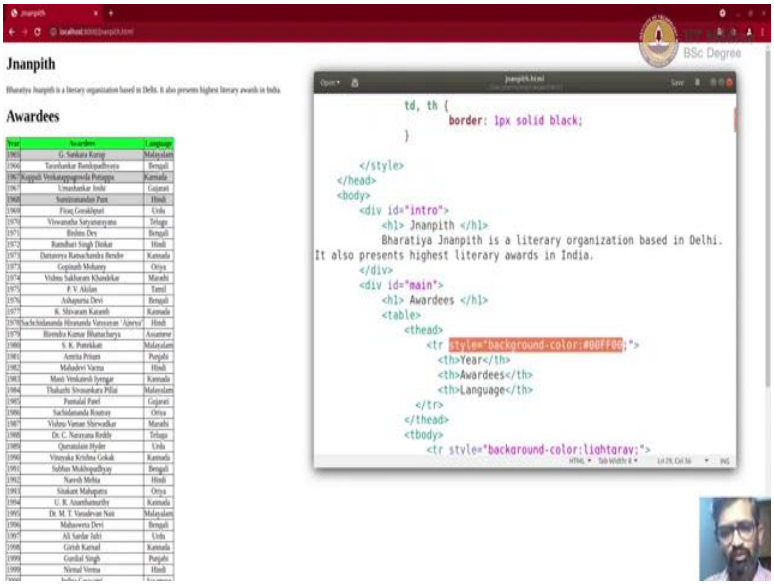






Now, I can do similarly for th too, it is a similar style. So, you can copy paste th here. And I can refresh it, so it come back. Now, there is one more optimization that we can do see, the style for td and style for th is same. So, what we could do is, we could say td, th for both of them apply the same style. I can save and do refresh. So, the border remains the same. There you go. So, we have efficiently removed that part.

(Refer Slide Time: 6:37)



Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi

```
        <h1> Jnanpith </h1>
        Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.
    </div>
    <div id="main">
        <h1> Awardees </h1>
        <table>
            <thead>
                <tr style="background-color:#00FF00;">
                  <th>Year</th>
                  <th>Awardees</th>
                  <th>Language</th>
                </tr>
            </thead>
            <tbody>
                <tr style="background-color:lightgray;">
                    <td>1965</td>
                    <td>G. Sankara Kurup</td>
                    <td>Malayalam</td>
                </tr>
                <tr>
                    <td>1966</td>
                    <td>Tarashankar Bandopadhyaya</td>
                    <td>Bengali</td>
```

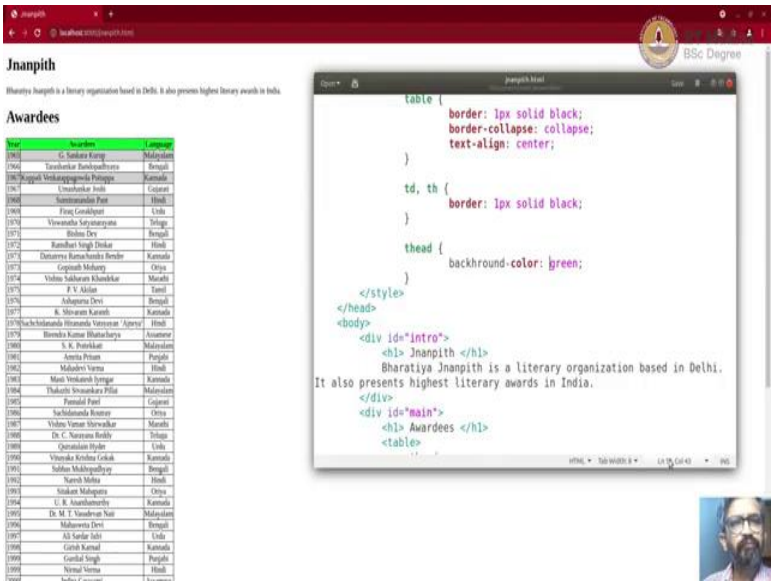
Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

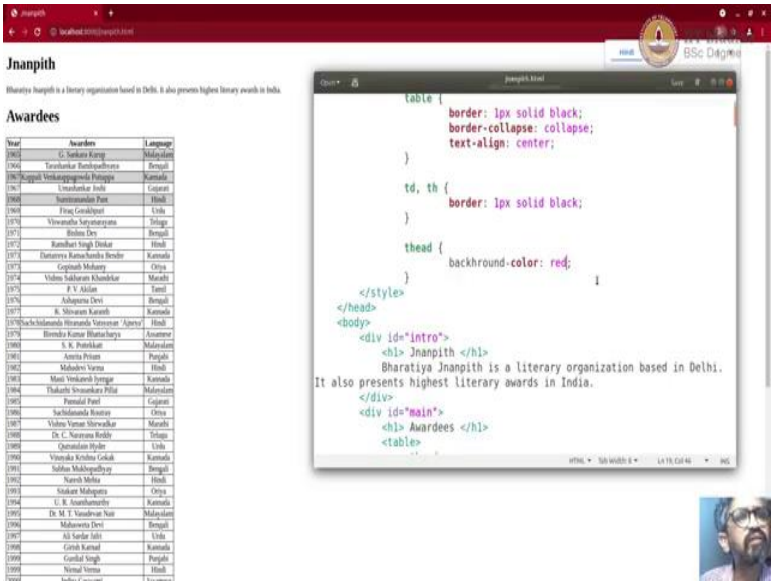
Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi


```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8"/>
        <title> Jnanpith </title>
        <meta name="description" content="This page lists Jnanpith
Awardees"/>
        <style>
                table {
                        border: 1px solid black;
                        border-collapse: collapse;
                        text-align: center;
                }

                td, th {
                        border: 1px solid black;
                }

                thead {
                        backhround-color: green;
                }
        </style>
    </head>
    <body>
```


Jnanpith
localhost:8000/jnanpith.html
Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year | Awardees | Language
1965 | G. Sankara Kurup | Malayalam
1966 | Tarashankar Bandyopadhyaya | Bengali
1967 | Kuppali Venkatappagowda Puttappa | Kannada
1967 | Umashankar Joshi | Gujarati
1968 | Sumitranandan Pant | Hindi
1969 | Firaq Gorakhpuri | Urdu
1970 | Viswanatha Satyanarayana | Telugu
1971 | Bishnu Dey | Bengali
1972 | Ramdhari Singh Dinkar | Hindi
1973 | Dattatreya Ramachandra Bendre | Kannada
1973 | Gopinath Mohanty | Oriya
1974 | Vishnu Sakharam Khandekar | Marathi
1975 | P. V. Akilan | Tamil
1976 | Ashapurna Devi | Bengali
1977 | K. Shivaram Karanth | Kannada
1978 | Sachchidananda Hiranand Vatsyayan 'Ajneya' | Hindi
1979 | Birendra Kumar Bhattacharya | Assamese
1980 | S. K. Pottekkatt | Malayalam
1981 | Amrita Pritam | Punjabi
1982 | Mahadevi Varma | Hindi
1983 | Masti Venkatesh Iyengar | Kannada
1984 | Thakazhi Sivasankara Pillai | Malayalam
1985 | Pannalal Patel | Gujarati
1986 | Sachidananda Routray | Oriya
1987 | Vishnu Vaman Shirwadkar | Marathi
1988 | Dr. C. Narayana Reddy | Telugu
1989 | Qurratulain Hyder | Urdu
1990 | Vinayaka Krishna Gokak | Kannada
1991 | Subhas Mukhopadhyay | Bengali
1992 | Naresh Mehta | Hindi
1993 | Sitakant Mahapatra | Oriya
1994 | U. R. Ananthamurthy | Kannada
1995 | Dr. M. T. Vasudevan Nair | Malayalam
1996 | Mahasweta Devi | Bengali
1997 | Ali Sardar Jafri | Urdu
1998 | Girish Karnad | Kannada
1999 | Gurdial Singh | Punjabi
1999 | Nirmal Verma | Hindi
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
backhround-color: green;
}
</style>
</head>
<body>

<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.

<h1> Awardees </h1>
<table>
BSc Degree


Jnanpith
localhost:8000/jnanpith.html
Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year | Awardees | Language
1965 | G. Sankara Kurup | Malayalam
1966 | Tarashankar Bandyopadhyaya | Bengali
1967 | Kuppali Venkatappagowda Puttappa | Kannada
1967 | Umashankar Joshi | Gujarati
1968 | Sumitranandan Pant | Hindi
1969 | Firaq Gorakhpuri | Urdu
1970 | Viswanatha Satyanarayana | Telugu
1971 | Bishnu Dey | Bengali
1972 | Ramdhari Singh Dinkar | Hindi
1973 | Dattatreya Ramachandra Bendre | Kannada
1973 | Gopinath Mohanty | Oriya
1974 | Vishnu Sakharam Khandekar | Marathi
1975 | P. V. Akilan | Tamil
1976 | Ashapurna Devi | Bengali
1977 | K. Shivaram Karanth | Kannada
1978 | Sachchidananda Hiranand Vatsyayan 'Ajneya' | Hindi
1979 | Birendra Kumar Bhattacharya | Assamese
1980 | S. K. Pottekkatt | Malayalam
1981 | Amrita Pritam | Punjabi
1982 | Mahadevi Varma | Hindi
1983 | Masti Venkatesh Iyengar | Kannada
1984 | Thakazhi Sivasankara Pillai | Malayalam
1985 | Pannalal Patel | Gujarati
1986 | Sachidananda Routray | Oriya
1987 | Vishnu Vaman Shirwadkar | Marathi
1988 | Dr. C. Narayana Reddy | Telugu
1989 | Qurratulain Hyder | Urdu
1990 | Vinayaka Krishna Gokak | Kannada
1991 | Subhas Mukhopadhyay | Bengali
1992 | Naresh Mehta | Hindi
1993 | Sitakant Mahapatra | Oriya
1994 | U. R. Ananthamurthy | Kannada
1995 | Dr. M. T. Vasudevan Nair | Malayalam
1996 | Mahasweta Devi | Bengali
1997 | Ali Sardar Jafri | Urdu
1998 | Girish Karnad | Kannada
1999 | Gurdial Singh | Punjabi
1999 | Nirmal Verma | Hindi
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
backhround-color: red;
}
</style>
</head>
<body>

<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.

<h1> Awardees </h1>
<table>
BSc Degree

Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandyopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi

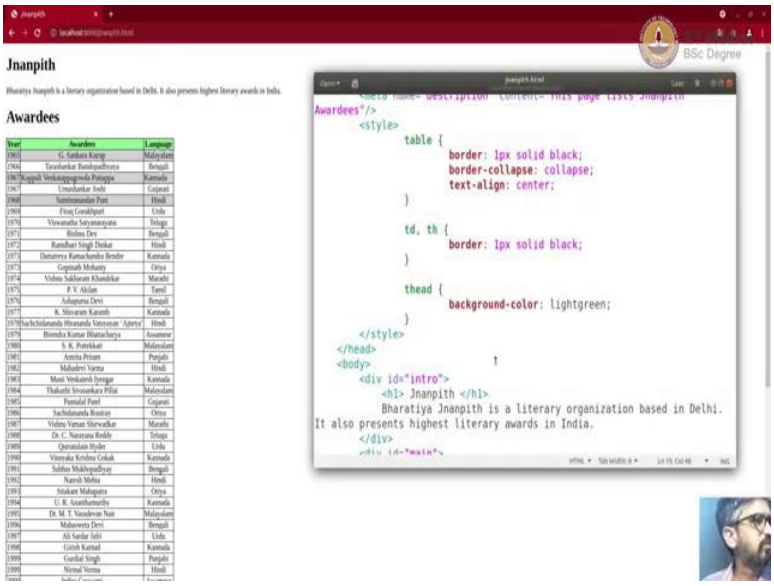
```
table {
        border: 1px solid black;
        border-collapse: collapse;
        text-align: center;
    }

    td, th {
        border: 1px solid black;
    }

    thead {
        background-color: #FF0000;
    }
</style>
</head>
<body>
    <div id="intro">
        <h1> Jnanpith </h1>
        Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.
    </div>
    <div id="main">
        <h1> Awardees </h1>
        <table>
```

Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

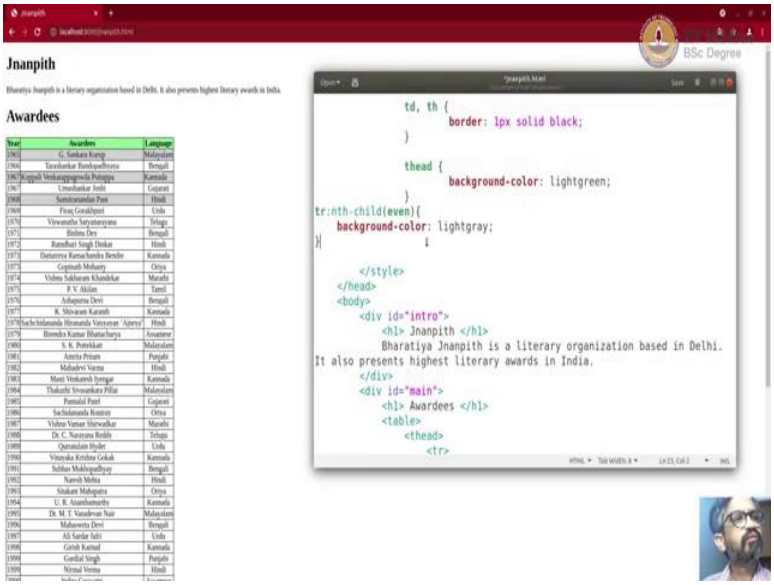

```
<meta name= description content= this page lists Jnanpith
Awardees"/>
<style>
    table {
        border: 1px solid black;
        border-collapse: collapse;
        text-align: center;
    }

    td, th {
        border: 1px solid black;
    }

    thead {
        background-color: green;
    }
</style>
</head>
<body>
    <div id="intro">
        <h1> Jnanpith </h1>
        Bharatiya Jnanpith is a literary organization based in Delhi.
It also presents highest literary awards in India.
    </div>
```

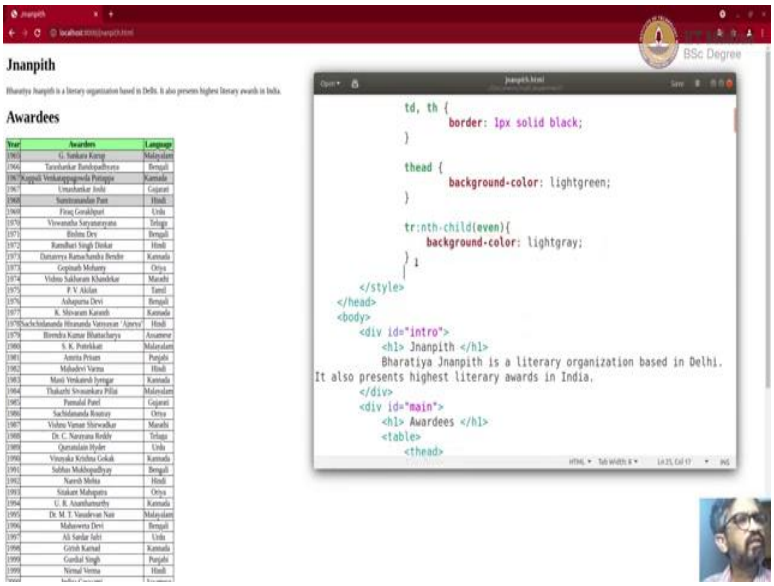


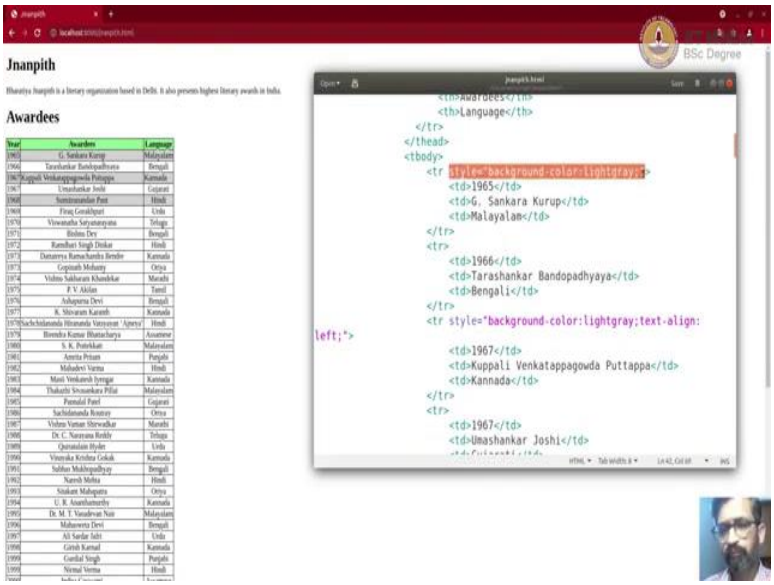
Now we have not removed the tr, background, we could actually define that we can just define the background for a thead instead of for tr. So that, what we apply to tr will not apply everywhere. So, let us remove this style. And say for table thead apply a background color. Let us say green, semi colon, save this. So, it is there, it is done, you can even make it let us say red. So, it is become, oh, red is not a named color, so assume RR is is FF0000. Oh, there is a spelling mistake here. Save here. I will reload it is become red.

So, that is one thing to remember. And I think it will be easy to identify if I make a spelling mistake, let us say it does not highlight. So, it is easy to see in a editor where code is colored or theme is applied to the code. So, background then becomes proper. If you make a spelling mistake, it goes to the default for example like that, and there is no color. So, I am going to apply this and make this green again, save it and refresh it, refresh it. It is green. I am going to make it light green, that seems better.

(Refer Slide Time: 9:06)







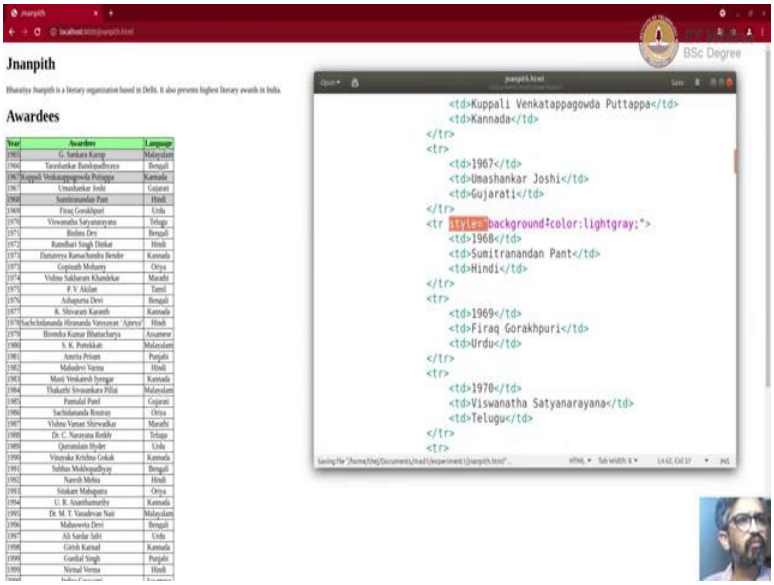
Jnanpith

Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi

```
                    <th>Awardees</th>
                    <th>Language</th>
                </tr>
            </thead>
            <tbody>
                <tr style="background-color:lightgray;">
                    <td>1965</td>
                    <td>G. Sankara Kurup</td>
                    <td>Malayalam</td>
                </tr>
                <tr>
                    <td>1966</td>
                    <td>Tarashankar Bandopadhyaya</td>
                    <td>Bengali</td>
                </tr>
                <tr style="background-color:lightgray;text-align:
left;">
                    <td>1967</td>
                    <td>Kuppali Venkatappagowda Puttappa</td>
                    <td>Kannada</td>
                </tr>
                <tr>
                    <td>1967</td>
                    <td>Umashankar Joshi</td>
```

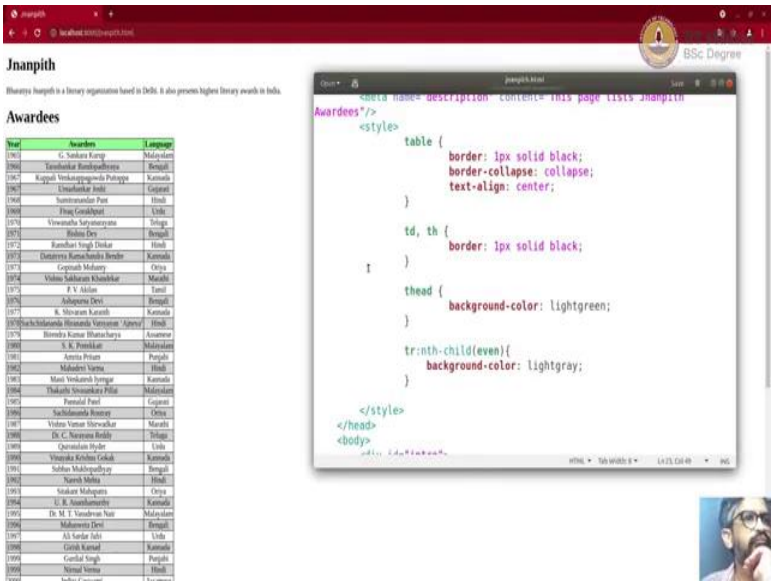
Jnanpith

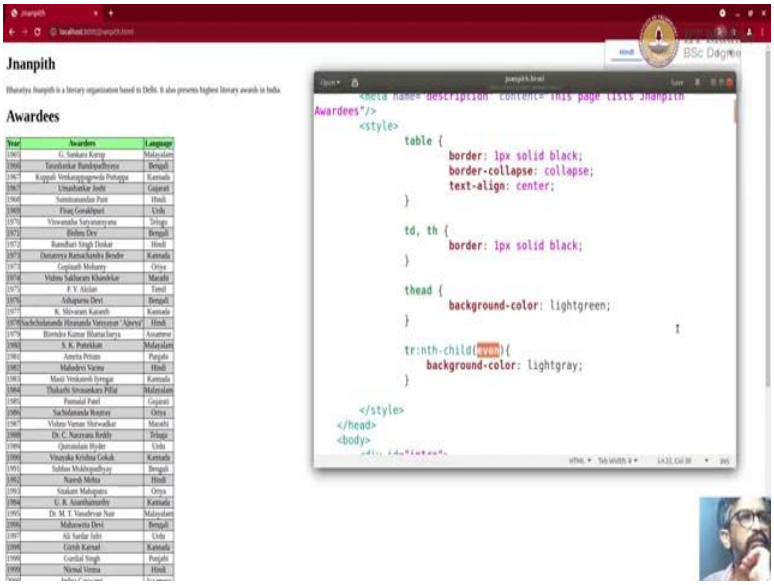
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

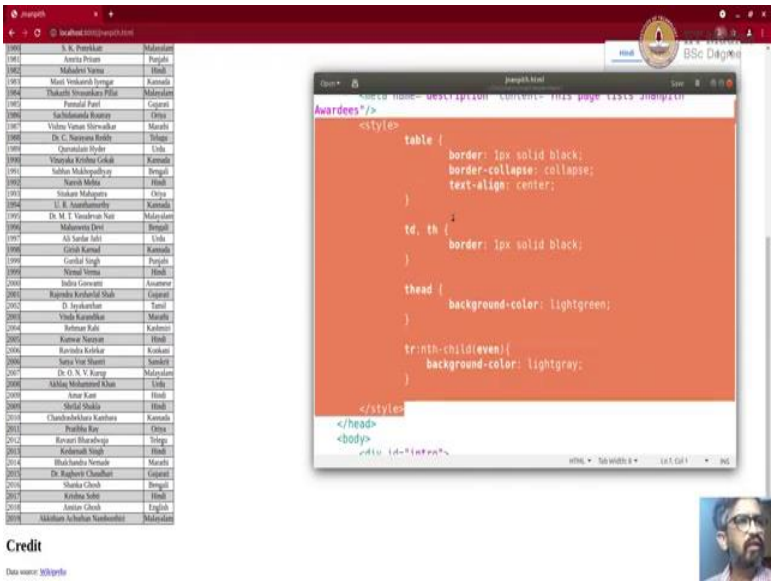
Awardees

Year	Awardees	Language
1965	G. Sankara Kurup	Malayalam
1966	Tarashankar Bandopadhyaya	Bengali
1967	Kuppali Venkatappagowda Puttappa	Kannada
1967	Umashankar Joshi	Gujarati
1968	Sumitranandan Pant	Hindi
1969	Firaq Gorakhpuri	Urdu
1970	Viswanatha Satyanarayana	Telugu
1971	Bishnu Dey	Bengali
1972	Ramdhari Singh Dinkar	Hindi
1973	Dattatreya Ramachandra Bendre	Kannada
1973	Gopinath Mohanty	Oriya
1974	Vishnu Sakharam Khandekar	Marathi
1975	P. V. Akilan	Tamil
1976	Ashapurna Devi	Bengali
1977	K. Shivaram Karanth	Kannada
1978	Sachchidananda Hiranand Vatsyayan 'Ajneya'	Hindi
1979	Birendra Kumar Bhattacharya	Assamese
1980	S. K. Pottekkatt	Malayalam
1981	Amrita Pritam	Punjabi
1982	Mahadevi Varma	Hindi
1983	Masti Venkatesh Iyengar	Kannada
1984	Thakazhi Sivasankara Pillai	Malayalam
1985	Pannalal Patel	Gujarati
1986	Sachidananda Routray	Oriya
1987	Vishnu Vaman Shirwadkar	Marathi
1988	Dr. C. Narayana Reddy	Telugu
1989	Qurratulain Hyder	Urdu
1990	Vinayaka Krishna Gokak	Kannada
1991	Subhas Mukhopadhyay	Bengali
1992	Naresh Mehta	Hindi
1993	Sitakant Mahapatra	Oriya
1994	U. R. Ananthamurthy	Kannada
1995	Dr. M. T. Vasudevan Nair	Malayalam
1996	Mahasweta Devi	Bengali
1997	Ali Sardar Jafri	Urdu
1998	Girish Karnad	Kannada
1999	Gurdial Singh	Punjabi
1999	Nirmal Verma	Hindi


```
                    <td>Kuppali Venkatappagowda Puttappa</td>
                    <td>Kannada</td>
                </tr>
                <tr>
                    <td>1967</td>
                    <td>Umashankar Joshi</td>
                    <td>Gujarati</td>
                </tr>
                <tr style="background-color:lightgray;">
                    <td>1968</td>
                    <td>Sumitranandan Pant</td>
                    <td>Hindi</td>
                </tr>
                <tr>
                    <td>1969</td>
                    <td>Firaq Gorakhpuri</td>
                    <td>Urdu</td>
                </tr>
                <tr>
                    <td>1970</td>
                    <td>Viswanatha Satyanarayana</td>
                    <td>Telugu</td>
                </tr>
                <tr>
```


Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandopadhyaya Bengali
1967 Kuppali Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Pottekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
jnanpith.html
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
background-color: lightgreen;
}
tr:nth-child(even){
background-color: lightgray;
}
</style>
</head>
<body>
BSc Degree


Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year Awardees Language
1965 G. Sankara Kurup Malayalam
1966 Tarashankar Bandopadhyaya Bengali
1967 Kuppali Venkatappagowda Puttappa Kannada
1967 Umashankar Joshi Gujarati
1968 Sumitranandan Pant Hindi
1969 Firaq Gorakhpuri Urdu
1970 Viswanatha Satyanarayana Telugu
1971 Bishnu Dey Bengali
1972 Ramdhari Singh Dinkar Hindi
1973 Dattatreya Ramachandra Bendre Kannada
1973 Gopinath Mohanty Oriya
1974 Vishnu Sakharam Khandekar Marathi
1975 P. V. Akilan Tamil
1976 Ashapurna Devi Bengali
1977 K. Shivaram Karanth Kannada
1978 Sachchidananda Hiranand Vatsyayan 'Ajneya' Hindi
1979 Birendra Kumar Bhattacharya Assamese
1980 S. K. Pottekkatt Malayalam
1981 Amrita Pritam Punjabi
1982 Mahadevi Varma Hindi
1983 Masti Venkatesh Iyengar Kannada
1984 Thakazhi Sivasankara Pillai Malayalam
1985 Pannalal Patel Gujarati
1986 Sachidananda Routray Oriya
1987 Vishnu Vaman Shirwadkar Marathi
1988 Dr. C. Narayana Reddy Telugu
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
jnanpith.html
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
background-color: lightgreen;
}
tr:nth-child(even){
background-color: lightgray;
}
</style>
</head>
<body>
BSc Degree

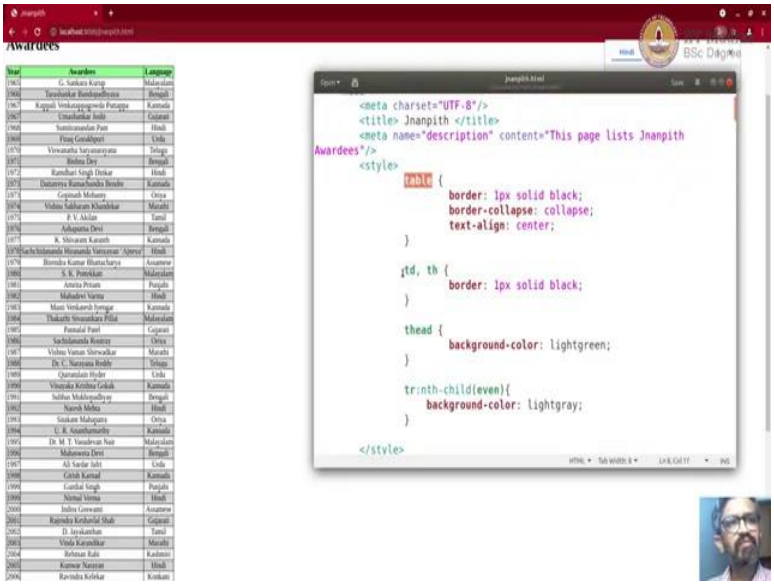


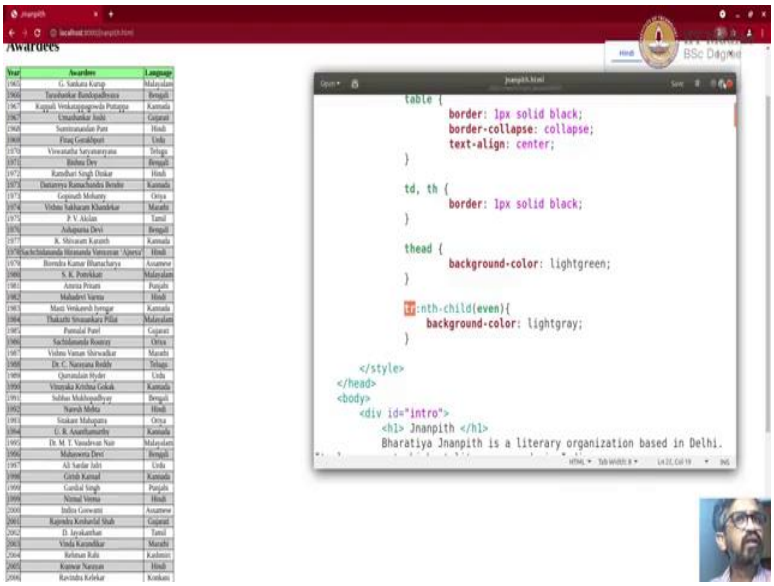
Now, we still have one more problem where we wanted to make each row separate and wanted to add a different color for odd row, different color for even row. There are many ways to do it. I am going to take the simpler way. One way is to do define a class odd and the even and you can add a class. But let us continue and uses another CSS selector.

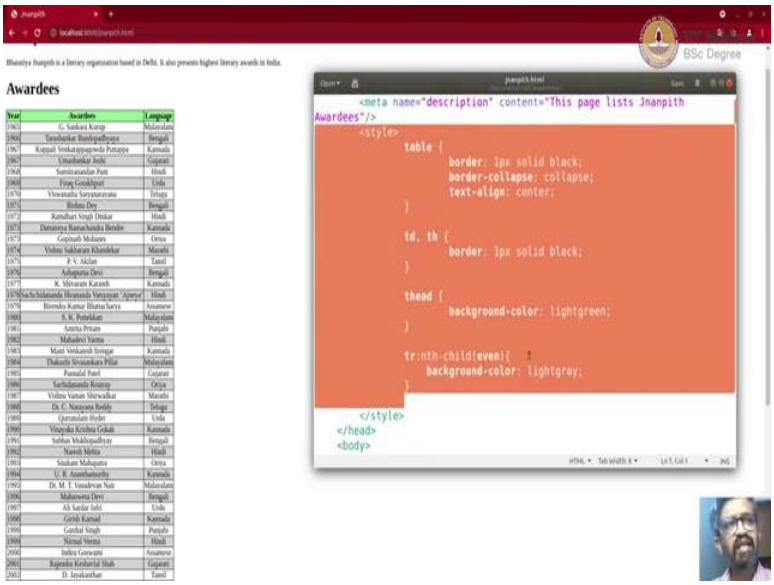
I am just going to paste that here first. And explain to you later, it says, for every nth child of a tr, if it is even apply gray. First of all, I will just going to remove this and I am going to remove these things, I am going to remove this, saving. Let us bring that back. So, it says nth child n being the number. And then if it is even then apply this background color, light gray. I am going to save this and reload. So, you can see now, every even row is gray. I could do even odd, it changes, starting with the first row. But we were doing Ctrl Z, even. So, we are doing that. That ends actually styling the same thing, using the header.

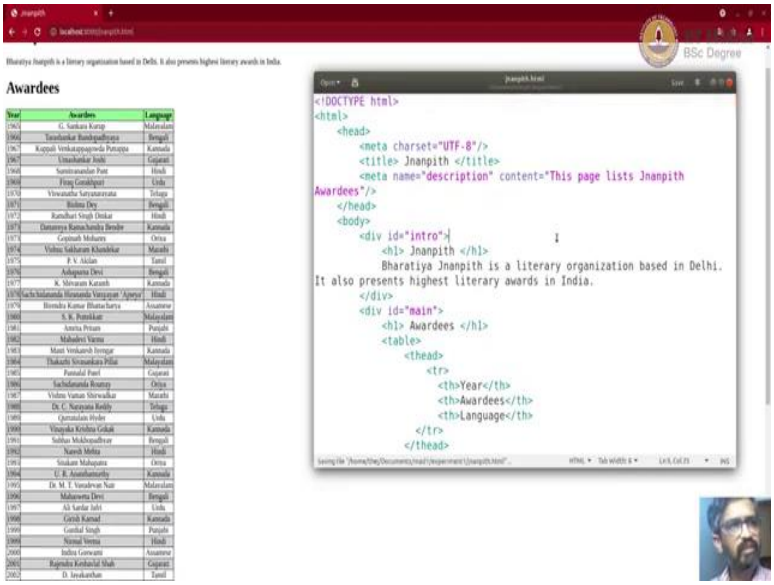
Now you can see the amount of work, all the style is limited to head part. And it is optimized, it is minimal, and you can edit at the same place. And since it is Cascading Style Sheet, styles at the lower level can overwrite each other. And you might want to be careful when you are styling them. But That is the beauty of Cascading Style Sheets.

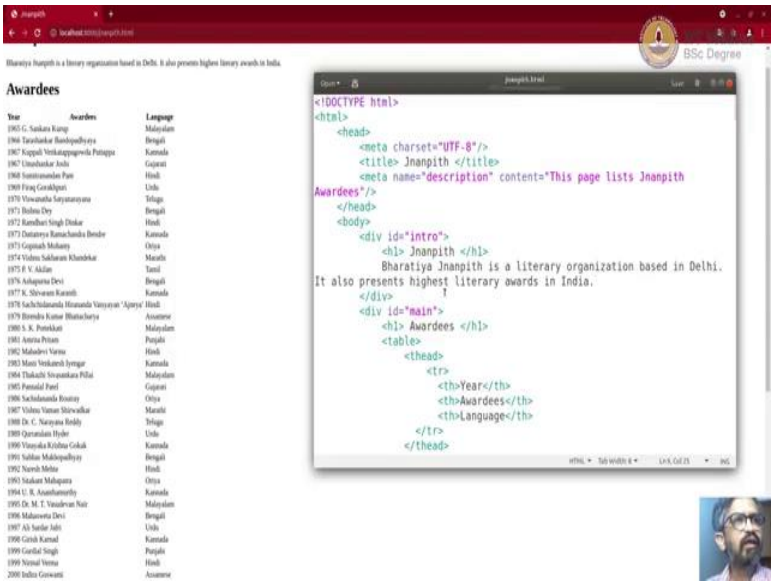
(Refer Slide Time: 11:46)






Jnanpith
localhost:8000/jnanpith.html
BSc Degree
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year | Awardees | Language
1962 | G. Sankara Kurup | Malayalam
1966 | Tarashankar Bandopadhyaya | Bengali
1967 | Kuppali Venkatappagowda Puttappa | Kannada
1967 | Umashankar Joshi | Gujarati
1968 | Sumitranandan Pant | Hindi
1969 | Firaq Gorakhpuri | Urdu
1970 | Viswanatha Satyanarayana | Telugu
1971 | Bishnu Dey | Bengali
1972 | Ramdhari Singh Dinkar | Hindi
1973 | Dattatreya Ramachandra Bendre | Kannada
1973 | Gopinath Mohanty | Oriya
1974 | Vishnu Sakharam Khandekar | Marathi
1975 | P. V. Akilan | Tamil
1976 | Ashapurna Devi | Bengali
1977 | K. Shivaram Karanth | Kannada
1978 | Sachchidananda Hirananda Vatsyayan 'Ajneya' | Hindi
1979 | Birendra Kumar Bhattacharya | Assamese
1980 | S. K. Pottekkatt | Malayalam
1981 | Amrita Pritam | Punjabi
1982 | Mahadevi Varma | Hindi
1983 | Masti Venkatesh Iyengar | Kannada
1984 | Thakazhi Sivasankara Pillai | Malayalam
1985 | Pannalal Patel | Gujarati
1986 | Sachidananda Routray | Oriya
1987 | Vishnu Vaman Shirwadkar | Marathi
1988 | Dr. C. Narayana Reddy | Telugu
1989 | Qurratulain Hyder | Urdu
1990 | Vinayaka Krishna Gokak | Kannada
1991 | Subhas Mukhopadhyay | Bengali
1992 | Naresh Mehta | Hindi
1993 | Sitakant Mahapatra | Oriya
1994 | U. R. Ananthamurthy | Kannada
1995 | Dr. M. T. Vasudevan Nair | Malayalam
1996 | Mahasweta Devi | Bengali
1997 | Ali Sardar Jafri | Urdu
1998 | Girish Karnad | Kannada
1999 | Gurdial Singh | Punjabi
1999 | Nirmal Verma | Hindi
2000 | Indira Goswami | Assamese
2001 | Rajendra Keshavlal Shah | Gujarati
2002 | D. Jayakanthan | Tamil
jnanpith.html
Open
Save
<meta name="description" content="This page lists Jnanpith Awardees"/>
<style>
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
background-color: lightgreen;
}
tr:nth-child(even){
background-color: lightgray;
}
</style>
</head>
<body>
HTML
Tab Width: 8
Ln 7, Col 1
INS

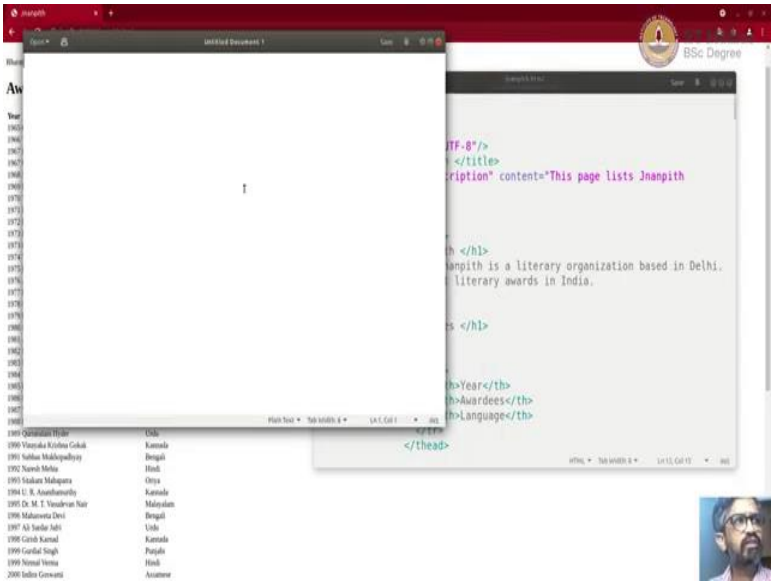

Jnanpith
localhost:8000/jnanpith.html
BSc Degree
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year | Awardees | Language
1962 | G. Sankara Kurup | Malayalam
1966 | Tarashankar Bandopadhyaya | Bengali
1967 | Kuppali Venkatappagowda Puttappa | Kannada
1967 | Umashankar Joshi | Gujarati
1968 | Sumitranandan Pant | Hindi
1969 | Firaq Gorakhpuri | Urdu
1970 | Viswanatha Satyanarayana | Telugu
1971 | Bishnu Dey | Bengali
1972 | Ramdhari Singh Dinkar | Hindi
1973 | Dattatreya Ramachandra Bendre | Kannada
1973 | Gopinath Mohanty | Oriya
1974 | Vishnu Sakharam Khandekar | Marathi
1975 | P. V. Akilan | Tamil
1976 | Ashapurna Devi | Bengali
1977 | K. Shivaram Karanth | Kannada
1978 | Sachchidananda Hirananda Vatsyayan 'Ajneya' | Hindi
1979 | Birendra Kumar Bhattacharya | Assamese
1980 | S. K. Pottekkatt | Malayalam
1981 | Amrita Pritam | Punjabi
1982 | Mahadevi Varma | Hindi
1983 | Masti Venkatesh Iyengar | Kannada
1984 | Thakazhi Sivasankara Pillai | Malayalam
1985 | Pannalal Patel | Gujarati
1986 | Sachidananda Routray | Oriya
1987 | Vishnu Vaman Shirwadkar | Marathi
1988 | Dr. C. Narayana Reddy | Telugu
1989 | Qurratulain Hyder | Urdu
1990 | Vinayaka Krishna Gokak | Kannada
1991 | Subhas Mukhopadhyay | Bengali
1992 | Naresh Mehta | Hindi
1993 | Sitakant Mahapatra | Oriya
1994 | U. R. Ananthamurthy | Kannada
1995 | Dr. M. T. Vasudevan Nair | Malayalam
1996 | Mahasweta Devi | Bengali
1997 | Ali Sardar Jafri | Urdu
1998 | Girish Karnad | Kannada
1999 | Gurdial Singh | Punjabi
1999 | Nirmal Verma | Hindi
2000 | Indira Goswami | Assamese
2001 | Rajendra Keshavlal Shah | Gujarati
2002 | D. Jayakanthan | Tamil
jnanpith.html
Open
Save
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<title> Jnanpith </title>
<meta name="description" content="This page lists Jnanpith Awardees"/>
</head>
<body>
<div id="intro">
<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
</div>
<div id="main">
<h1> Awardees </h1>
<table>
<thead>
<tr>
<th>Year</th>
<th>Awardees</th>
<th>Language</th>
</tr>
</thead>
Saving file "/home/ttw/Documents/read/experiment/jnanpith.html"...
HTML
Tab Width: 8
Ln 8, Col 23
INS

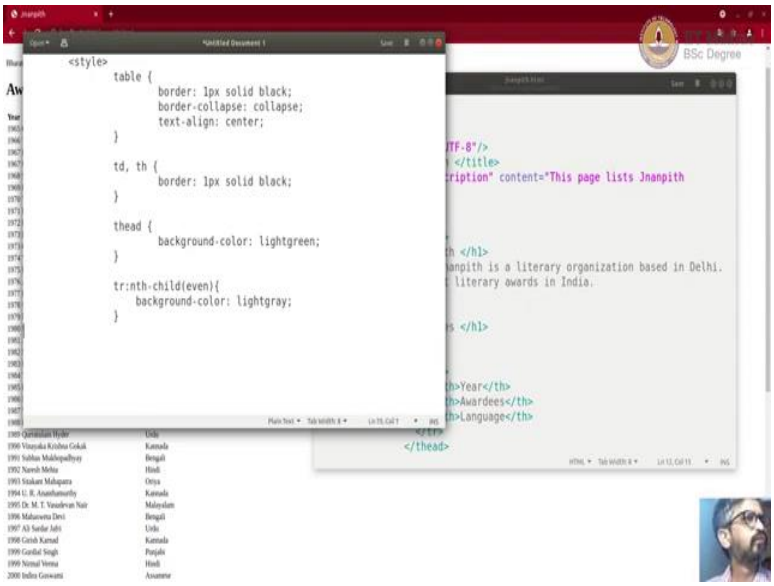


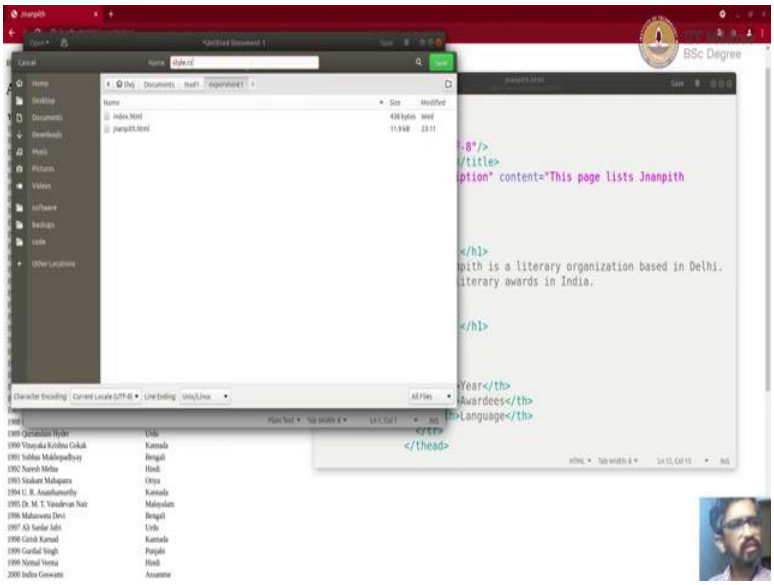
Now, we have applied all the styles based on tag names here, td, th, thead, even tr and maybe nth child but it is still tr. So, there are many ways to do this either by tag name, or class name, or id and many other ways. We are going to learn that in the next screencast. But let us assume this for now and continue.

Now, this is good if there is one only jnanpith.html, which is using this style. Let us say you wanted to use this style across many files. Now either, what you should do is you should copy paste the style part in each of the HTML files and load it and whenever there is a change, you have to go back to each HTML and change it. Or you could externalize into a CSS file or a style file. So let us cut this, let us cut this, it is gone from this. So, to come back to the previous shape.

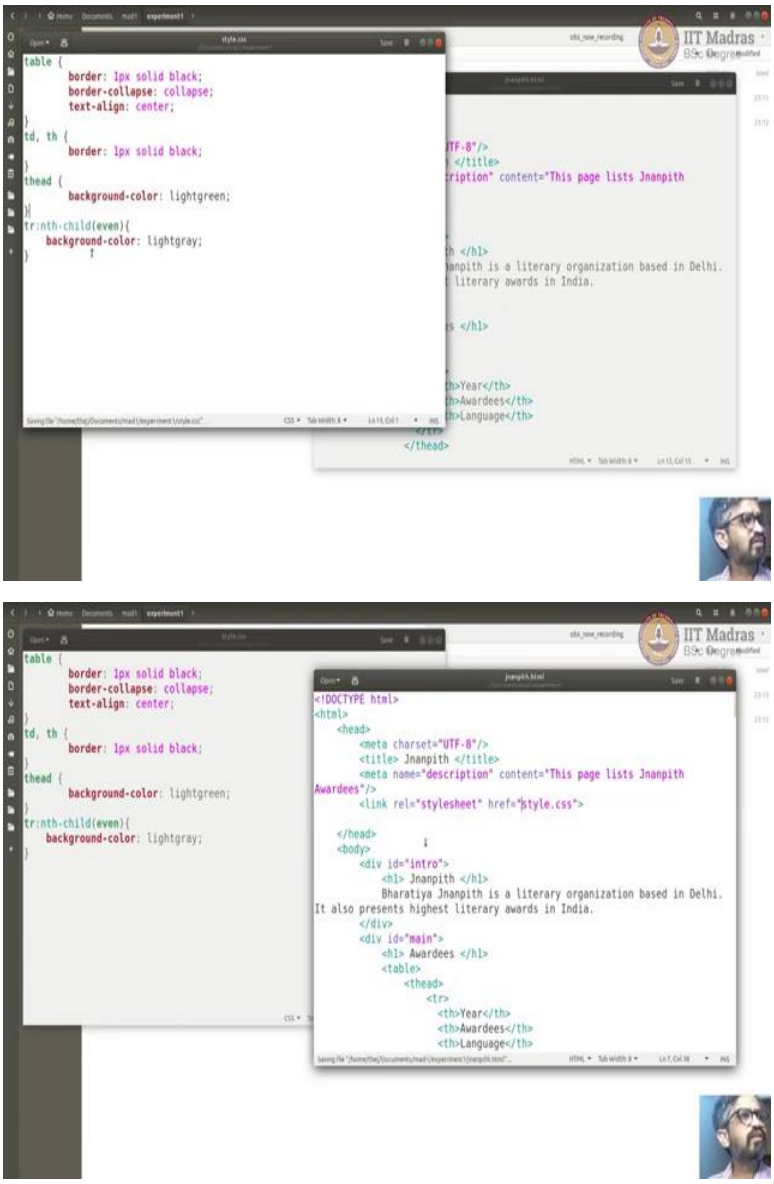
(Refer Slide Time: 13:00)






BSc Degree
style.css
index.html
jnanpith.html
This page lists Jnanpith
pith is a literary organization based in Delhi.
literary awards in India.
Year</th>
Awardees</th>
Language</th>
</thead>
1989 Qurratulain Hyder Urdu
1990 Vinayaka Krishna Gokak Kannada
1991 Subhas Mukhopadhyay Bengali
1992 Naresh Mehta Hindi
1993 Sitakant Mahapatra Oriya
1994 U. R. Ananthamurthy Kannada
1995 Dr. M. T. Vasudevan Nair Malayalam
1996 Mahasweta Devi Bengali
1997 Ali Sardar Jafri Urdu
1998 Girish Karnad Kannada
1999 Gurdial Singh Punjabi
1999 Nirmal Verma Hindi
2000 Indira Goswami Assamese

IIT Madras
BSc Degree
index.html
jnanpith.html
style.css



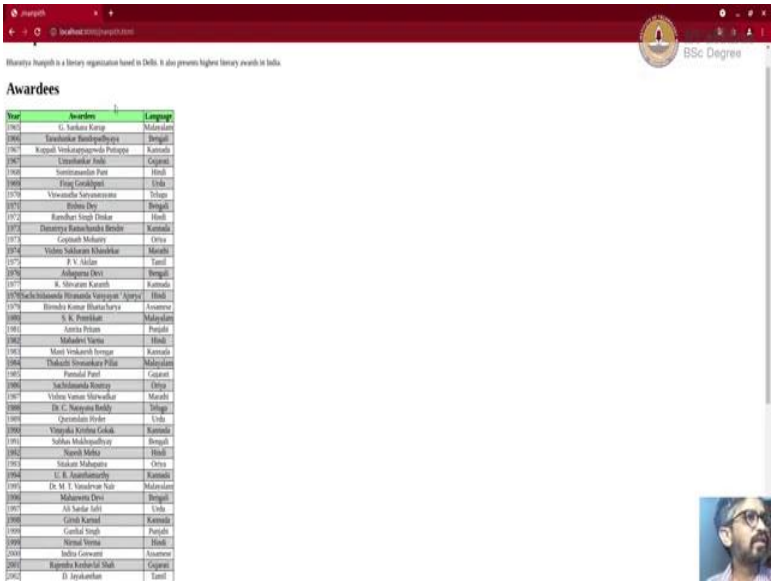
Now, I am going to create a new file edit Ctrl N. gedit opens a completely new document. And I am going to pull this style and remove this style tags. And I am going to save this into the same folder. I want to style save it as style.css, I saved that style.css. Now, if I go to the file browser, you can see it is in the same folder, style.css.

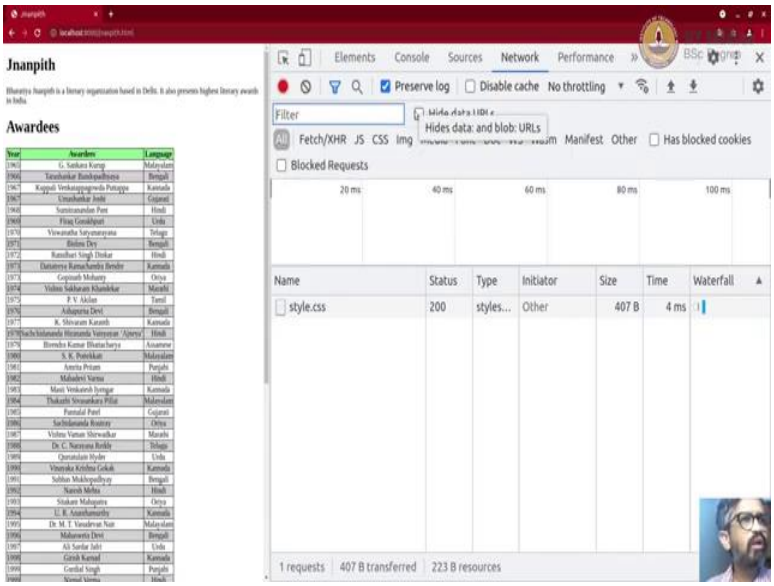
Now, the style.css contains all the style elements, I am just going to make it look little more good looking. Bring it back to the starting space, and then remove the extra white spaces just to make it look clean. Anyway, let us make it readable so that others can understand. And then save it.

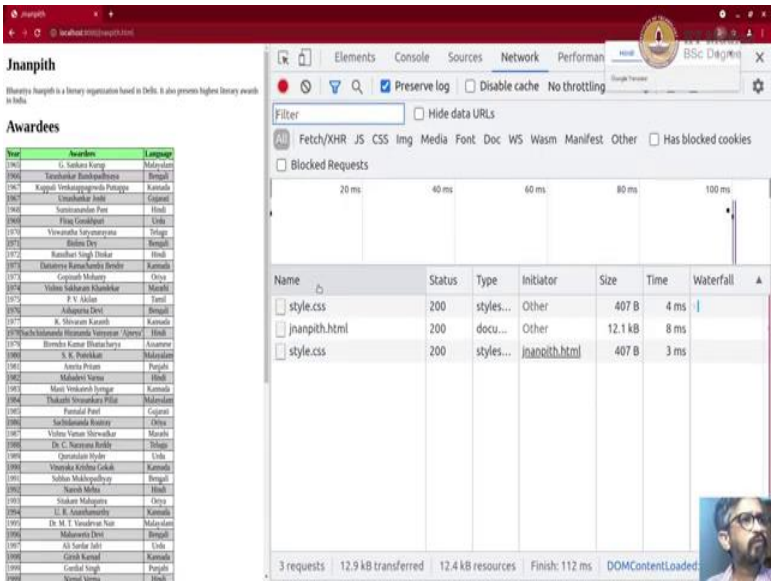
Now, somehow, we have to include this inside this document so that they get used in this. That is done by adding go style link. I am just going to add a single line of code inside the head. It tells

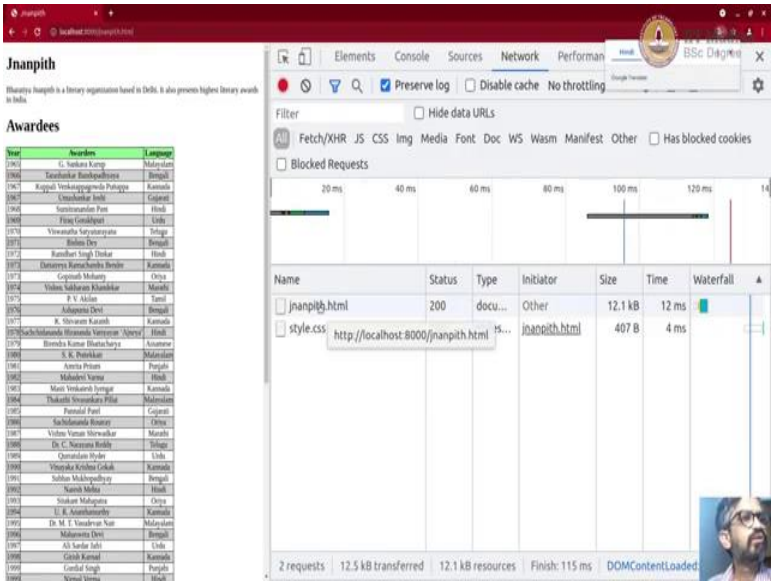
link a stylesheet. And the data comes from, for the style comes from style.css. And this is the name of this thing. And if it hosted somewhere else, you might have to give the complete URL of this style CSS. But if both of them are in the same folder, you can just give style.css.

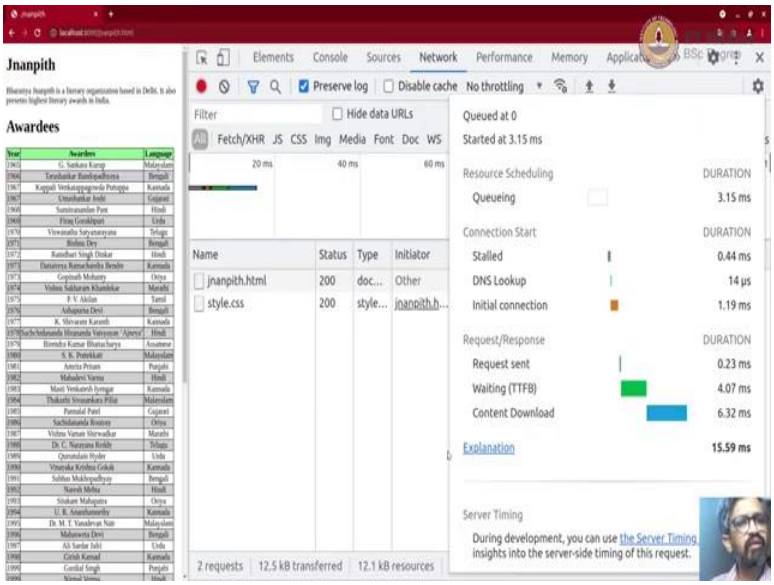
(Refer Slide Time: 14:46)






Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year
Awardee
Language
Elements
Console
Sources
Network
Preserve log
Disable cache
No throttling
Filter
Hide data URLs
Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest Other
Has blocked cookies
Blocked Requests
Name
Status
Type
Initiator
Size
Time
Waterfall
style.css 200 styles... Other 407 B 4 ms
jnanpith.html 200 docu... Other 12.1 kB 8 ms
style.css 200 styles... jnanpith.html 407 B 3 ms
3 requests
12.9 kB transferred
12.4 kB resources
Finish: 112 ms
DOMContentLoaded

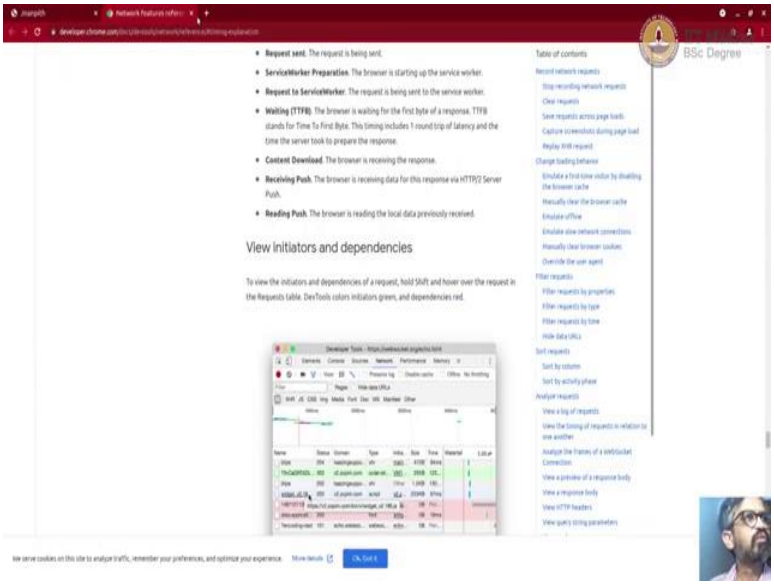

Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Elements
Console
Sources
Network
Preserve log
Disable cache
No throttling
Filter
Hide data URLs
Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest Other
Has blocked cookies
Blocked Requests
Name
Status
Type
Initiator
Size
Time
Waterfall
jnanpith.html 200 docu... Other 12.1 kB 12 ms
style.css
jnanpith.html 407 B 4 ms
http://localhost:8000/jnanpith.html
2 requests
12.5 kB transferred
12.1 kB resources
Finish: 115 ms
DOMContentLoaded

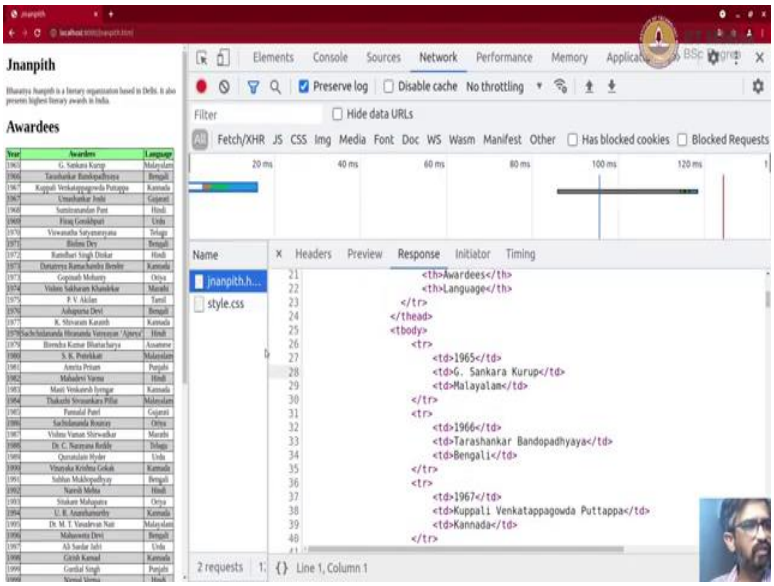


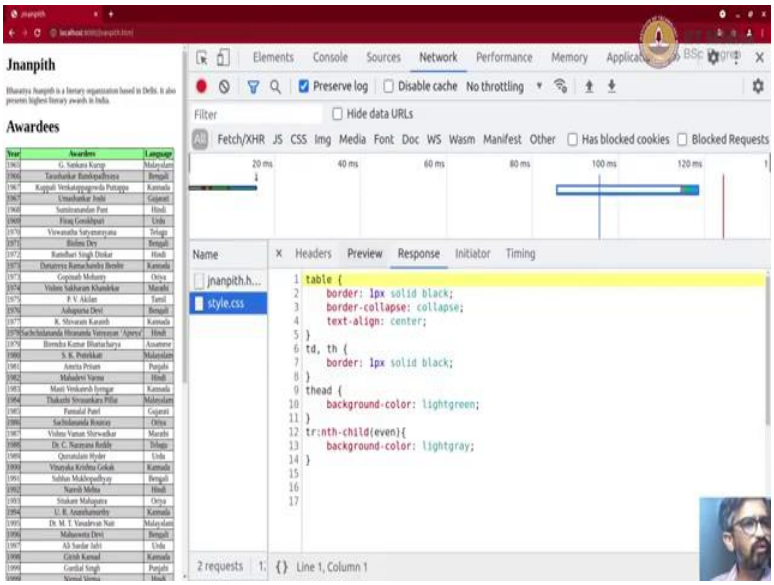
Now, if I save this, and let us go back to the browser and see Ctrl R, you can see style has been applied. Now, how it has been applied. Let us go back to inspect. Now, go to network and let us do all and I am just going to reload again, just for our clarity. See here, the jnanpith, I think this was a little confusing, let me clear it first. I am going to reload it.

So, jnanpith.html was downloaded first from the server. And then the style.css was downloaded. And you can see that initiator for this style.css download was jnanpith.html. And very interestingly, you can see the waterfall. Waterfall is how it got down later, afterward, so you can see here, how the content were downloaded, if you are interested in it, we can go over it in the next session or something.

(Refer Slide Time: 15:56)






Jnanpith
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.
Awardees
Year
Awardees
Language
Elements
Console
Sources
Network
Performance
Memory
Preserve log
Disable cache
No throttling
Filter
Hide data URLs
Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest Other
Has blocked cookies
Blocked Requests
Name
Headers
Preview
Response
Initiator
Timing
jnanpith.h...
style.css
table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
background-color: lightgreen;
}
tr:nth-child(even){
background-color: lightgray;
}
2 requests
Line 1, Column 1

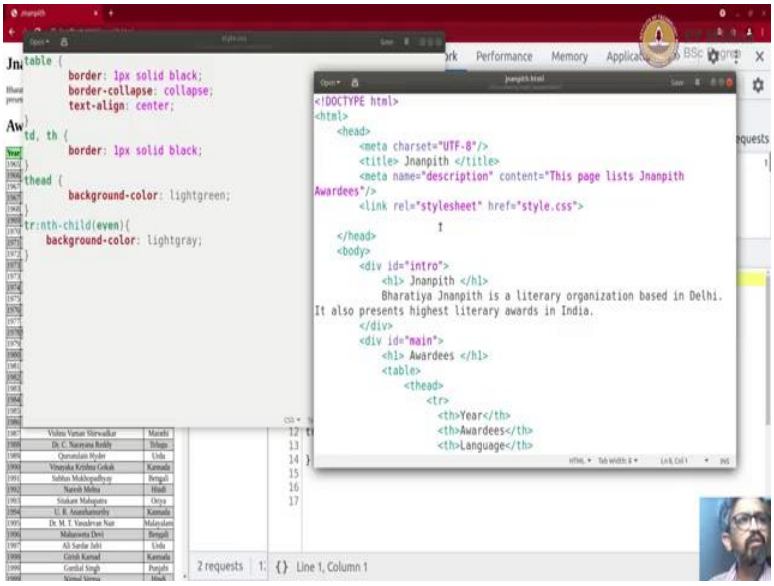
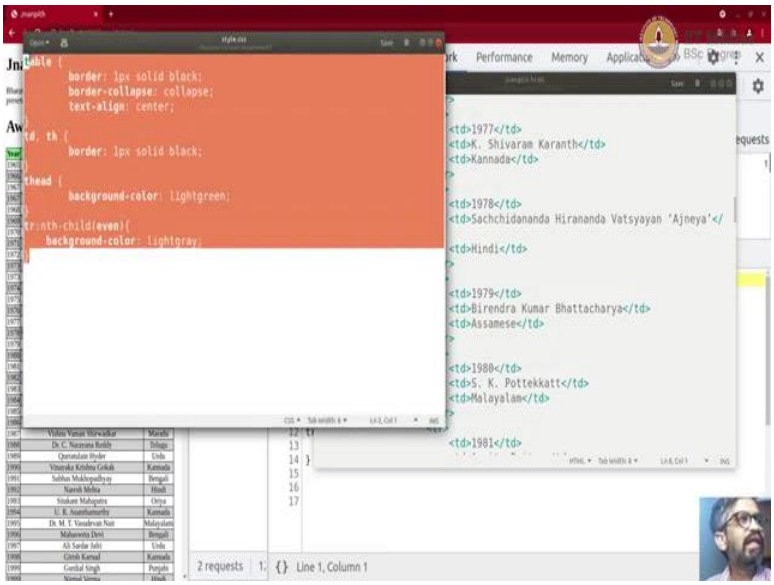
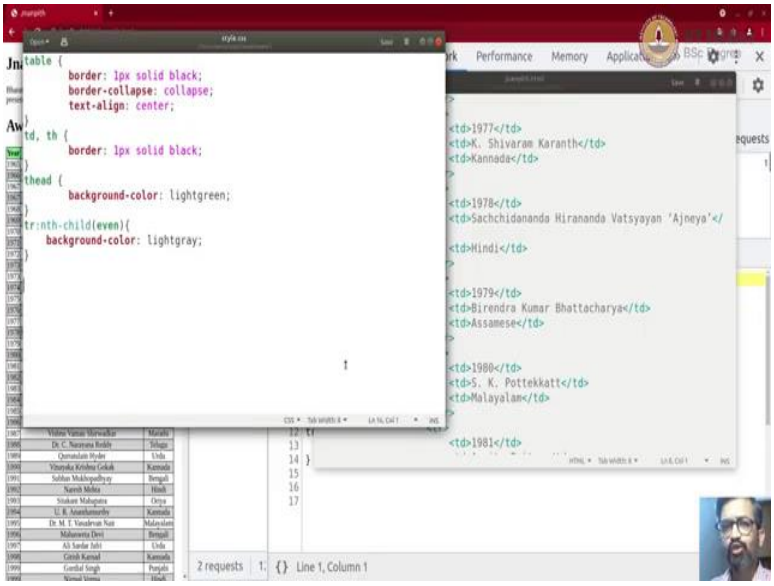


table {
border: 1px solid black;
border-collapse: collapse;
text-align: center;
}
td, th {
border: 1px solid black;
}
thead {
background-color: lightgreen;
}
tr:nth-child(even){
background-color: lightgray;
}
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<title> Jnanpith </title>
<meta name="description" content="This page lists Jnanpith Awardees"/>
<link rel="stylesheet" href="style.css">
</head>
<body>

<h1> Jnanpith </h1>
Bharatiya Jnanpith is a literary organization based in Delhi. It also presents highest literary awards in India.

<h1> Awardees </h1>
<table>
<thead>
<tr>
<th>Year</th>
<th>Awardees</th>
<th>Language</th>
Performance
Memory
2 requests
Line 1, Column 1





But you can read the explanation here to see how the timing works. But basically, first jnanpith.html got downloaded, you can see the content. And then style got downloaded. And HTML is rendered from top to bottom in a browser. So, the stylesheet got loaded. And then style is available to style and then data got loaded and then got rendered. That is it actually for this session.

So, what we learnt is separating out the style from inline into a header is efficient, but actually make into a separate style dot CSS is much more useful. And if you want to use it across many files, you could use it and you can share the style, even between the project if you want to. That is all for this in this session. Thank you so much. Bye.