Shubhangi Dutt
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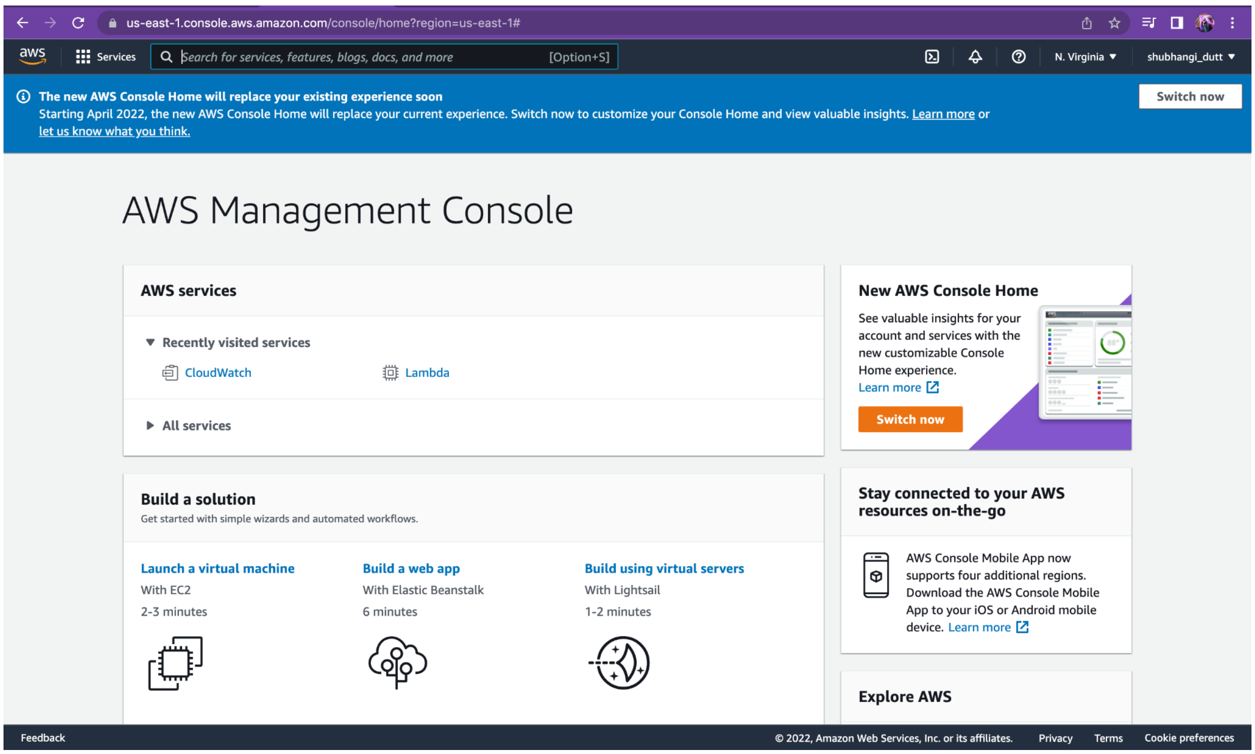
CS- 524 Introduction to Cloud Computing
Final Project

PART A: AWS
Creating a simple microservices architecture.

Step1) I logged into AWS console



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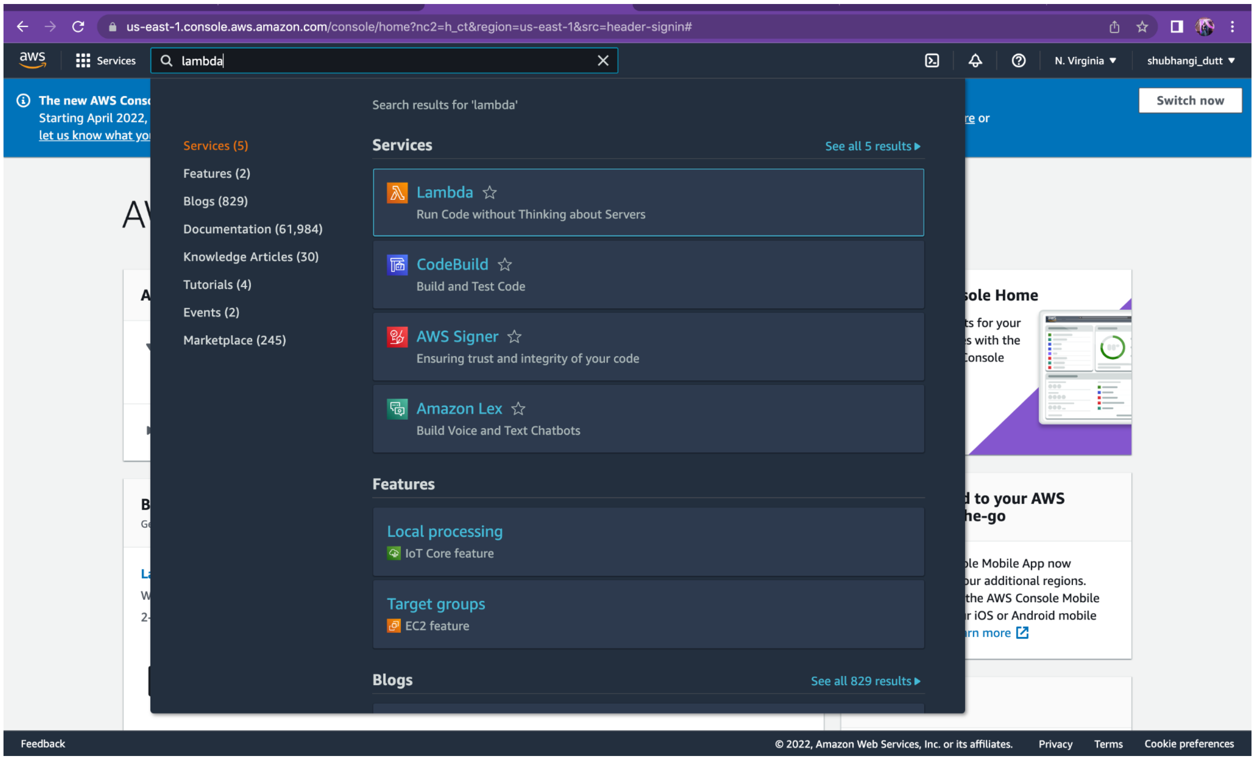
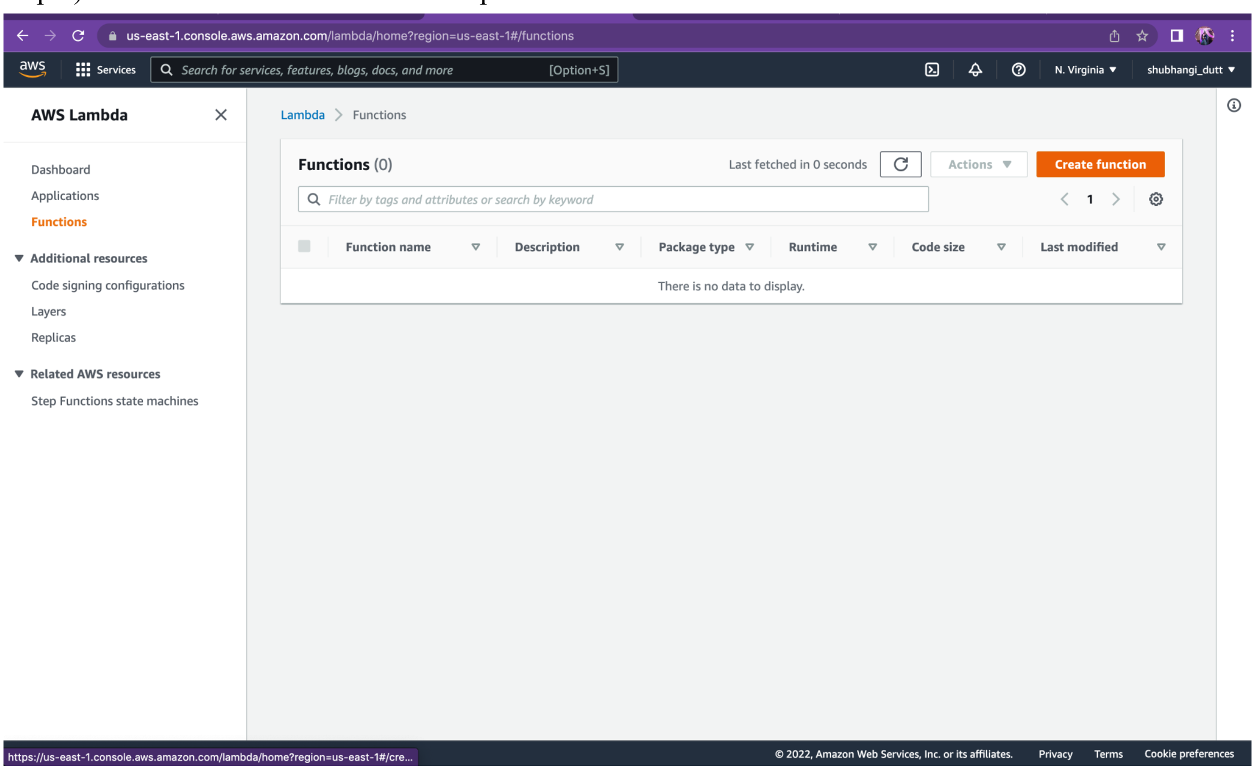
Step 2) I searched for Lambda function in the search box and selected it from the drop down list.



Step 3) I selected the 'Create Function' option.



Step 4) I selected the following configurations for the lambda function:-

- 'Author from Scratch' to create the function

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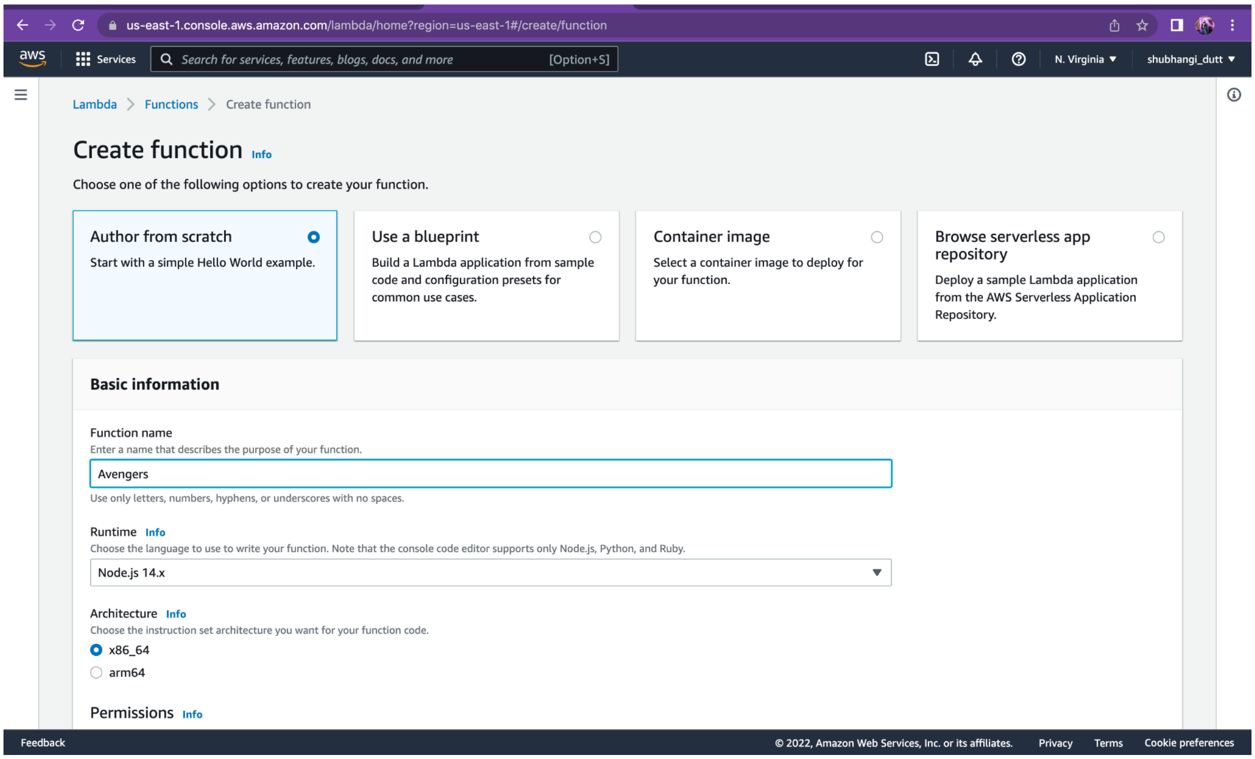
- Function name- ‘Avengers’
- Runtime -Node js 14x
- Architecture- x86_64
- Permissions- ‘Create a new role from AWS policy’
- Role-’GetStartedLambdaProxyIntegration’



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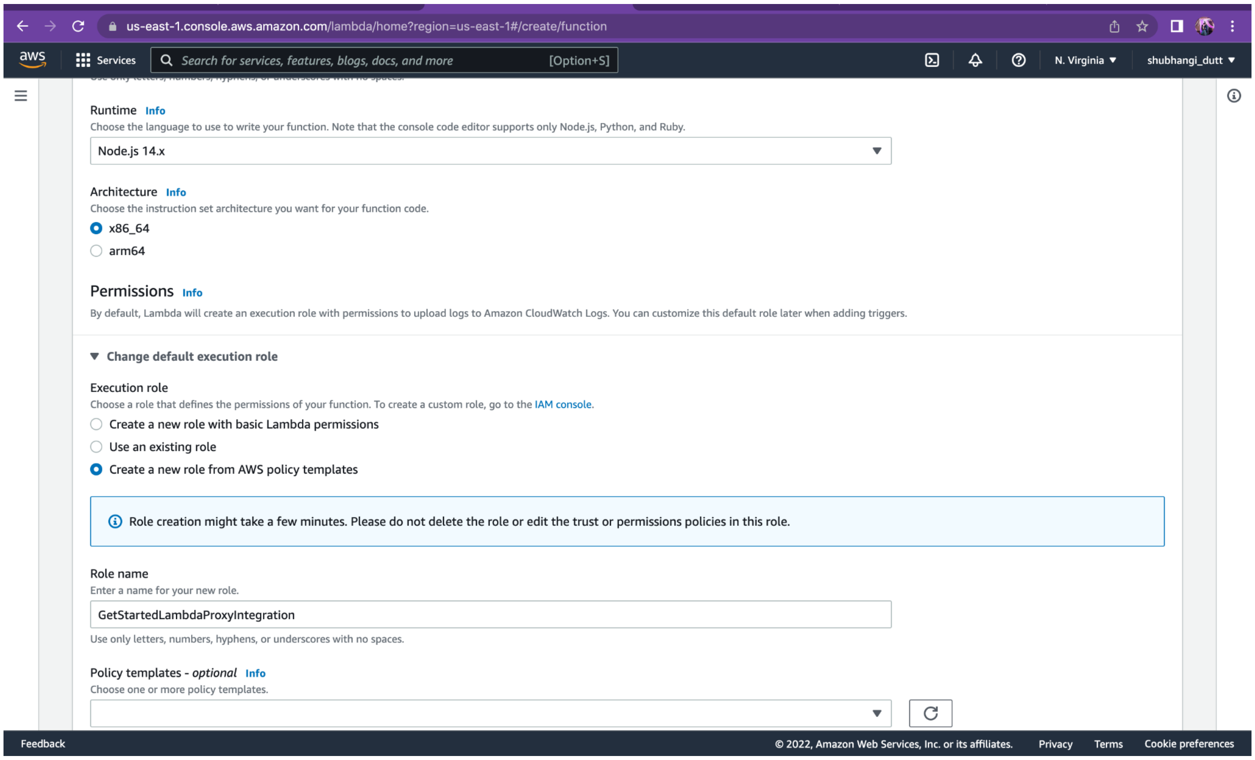
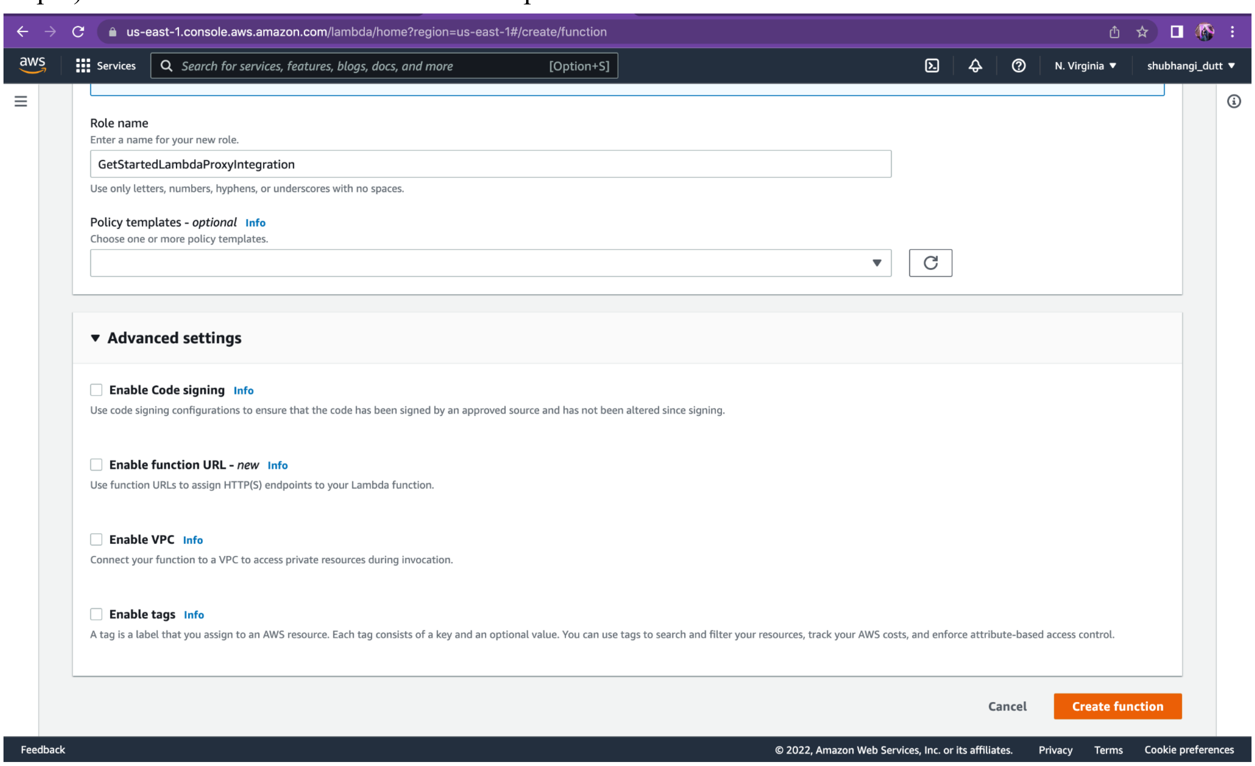


Step 5)I then selected the 'Create function' option.



Step 7) I successfully created the lambda function

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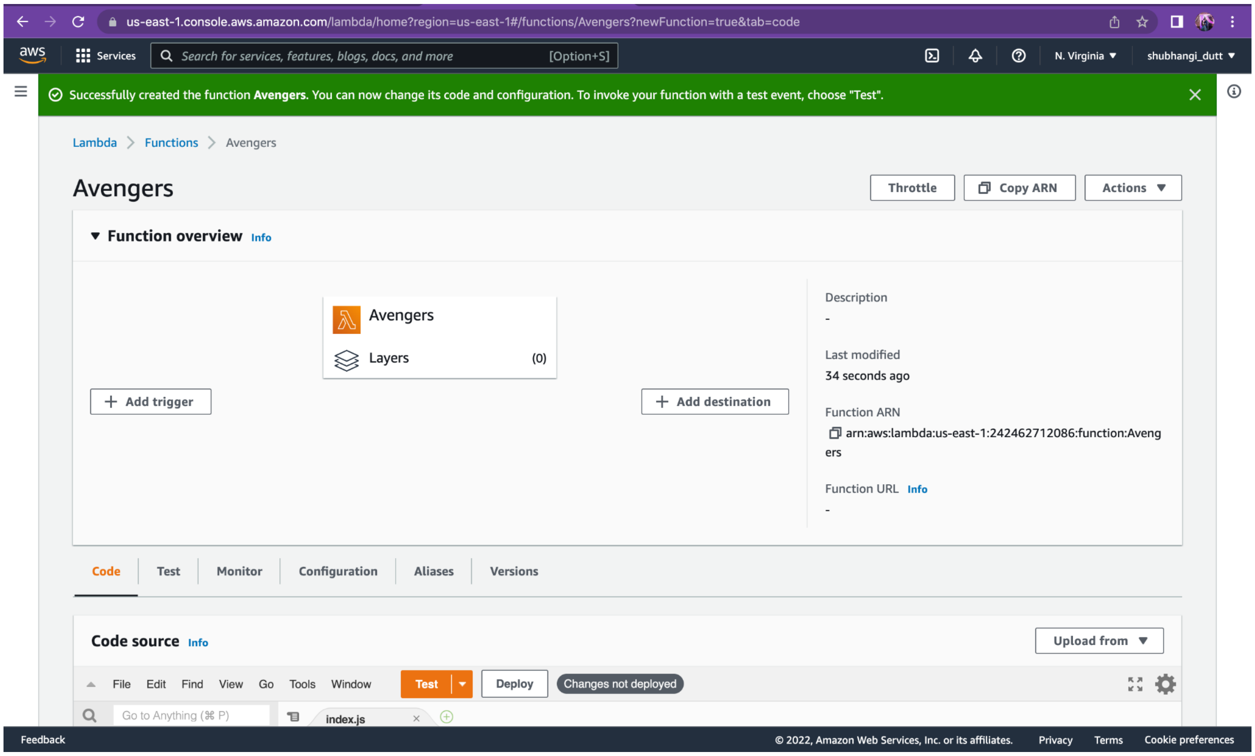
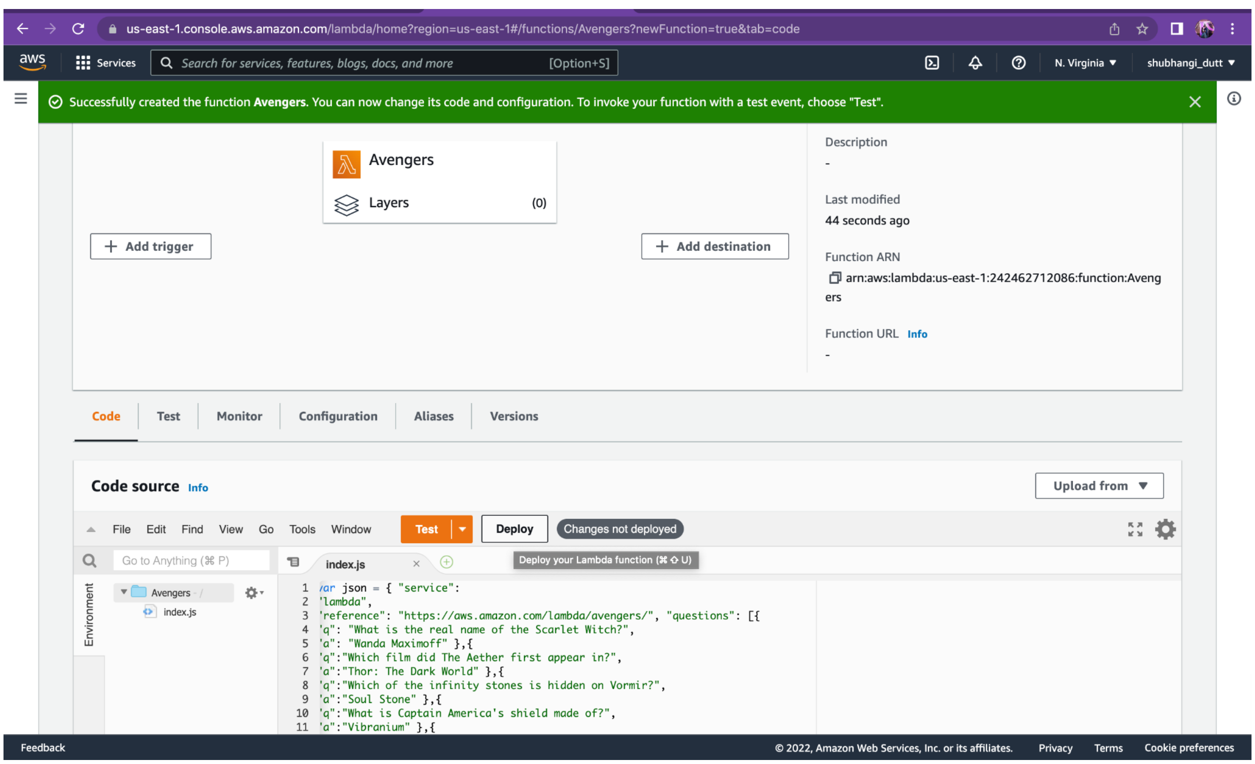
Step 8)I created the json file index.js with the given source code and deployed the function.





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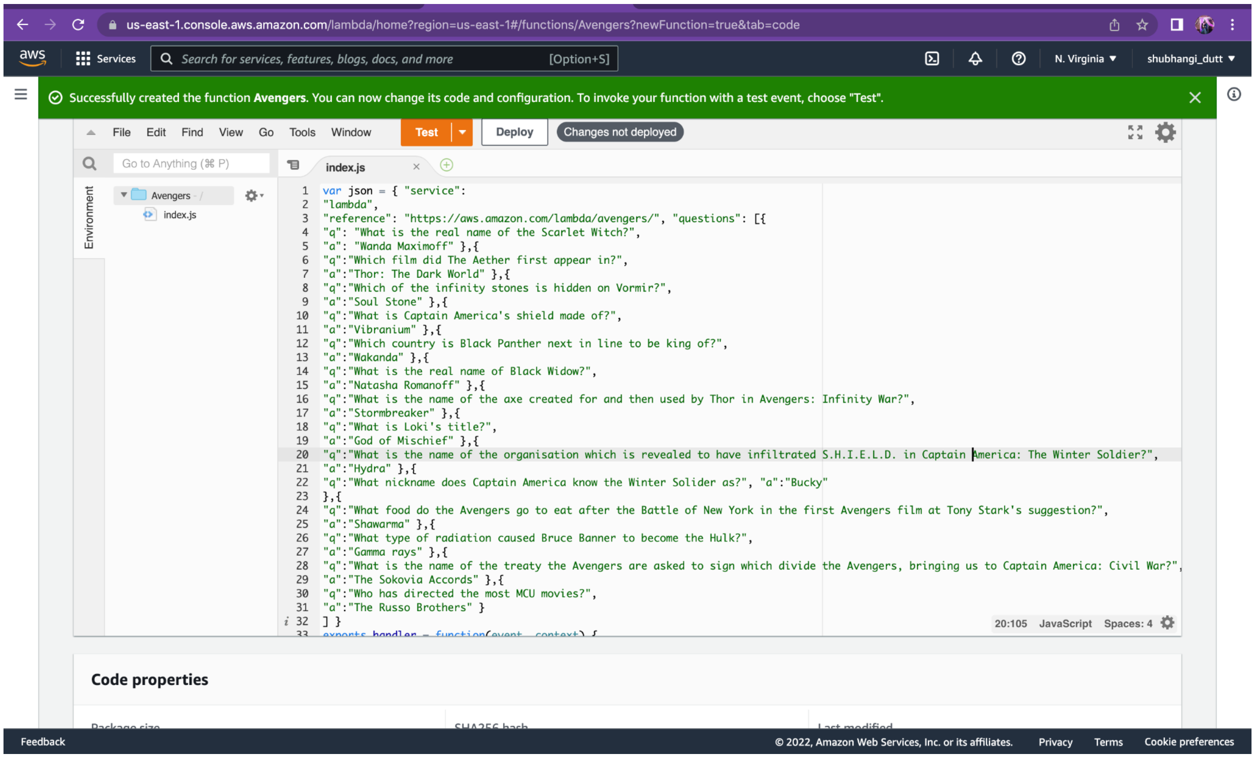
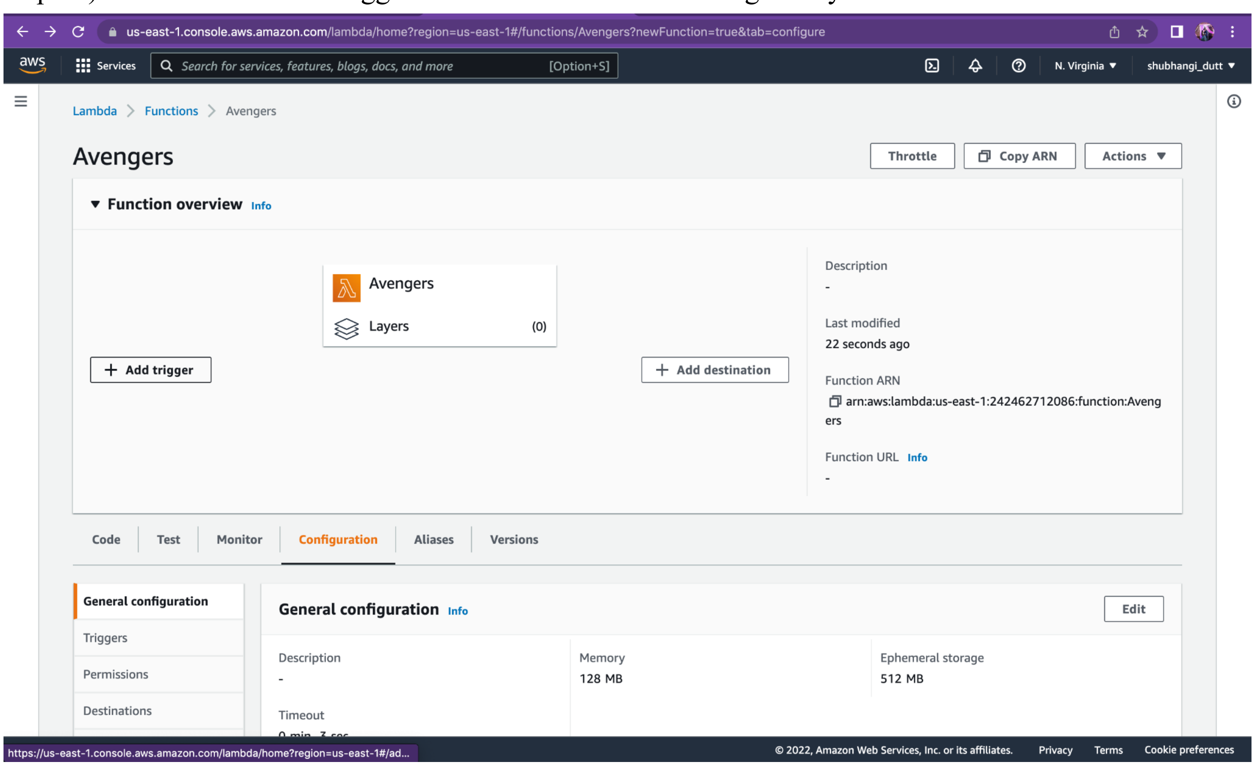


Step 10) I selected the 'Add trigger' button on order to create a gateway API



Step 11) I selected API gateway from the drop down list.

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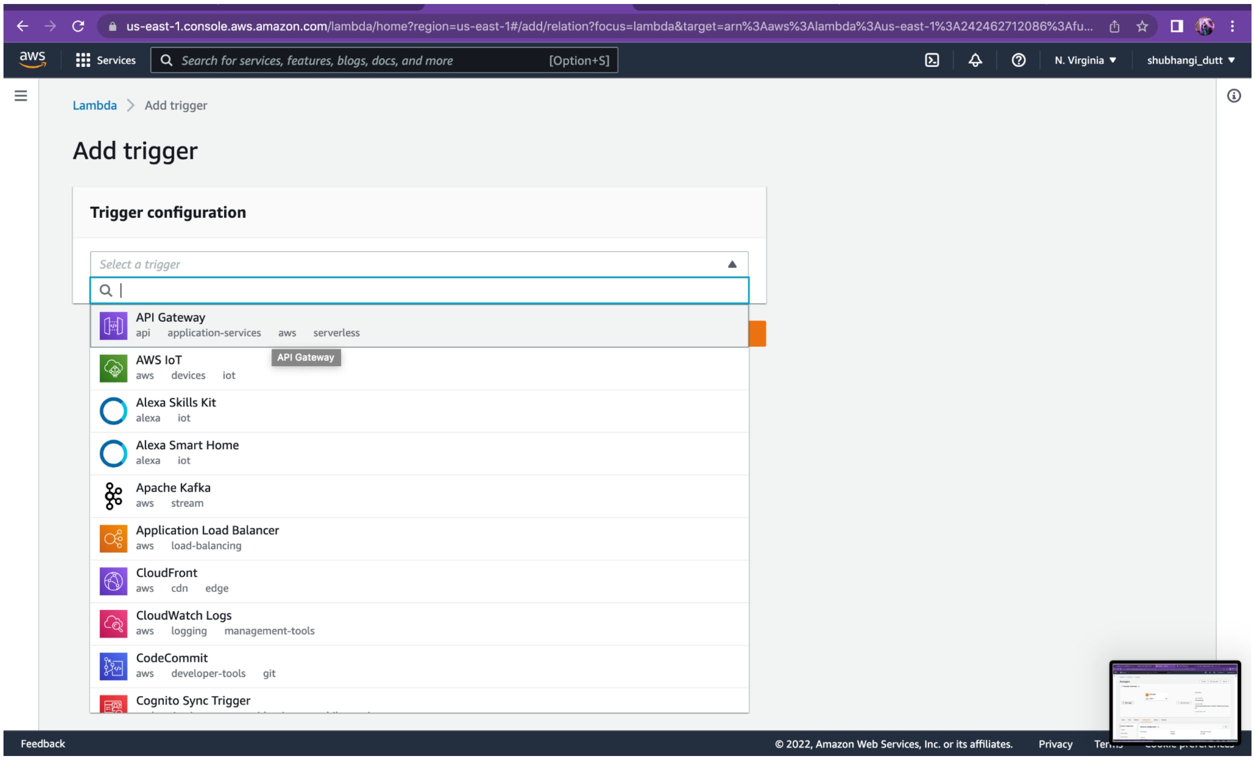

Step 12) I entered the configurations as follows:-

- Create a new API from scratch
- API Type-REST API
- Security-open

  And then I selected the 'Add' button to add API gateway.

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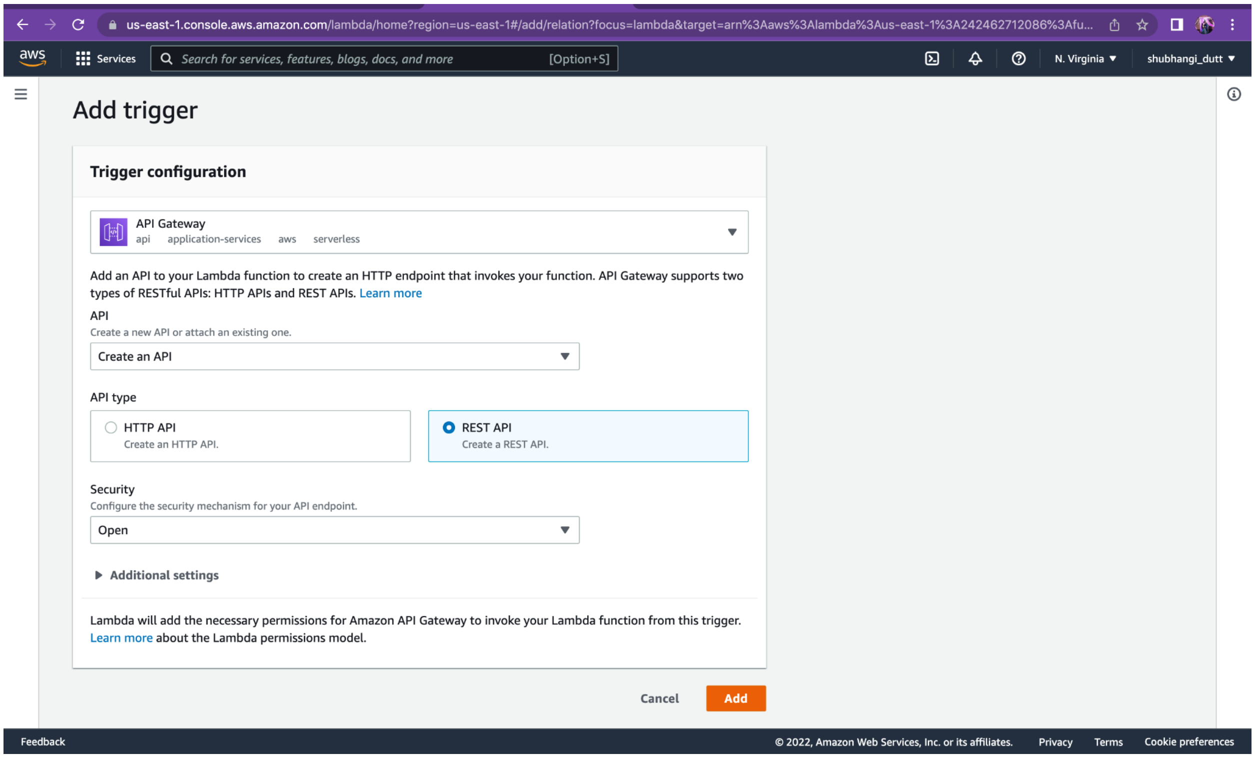
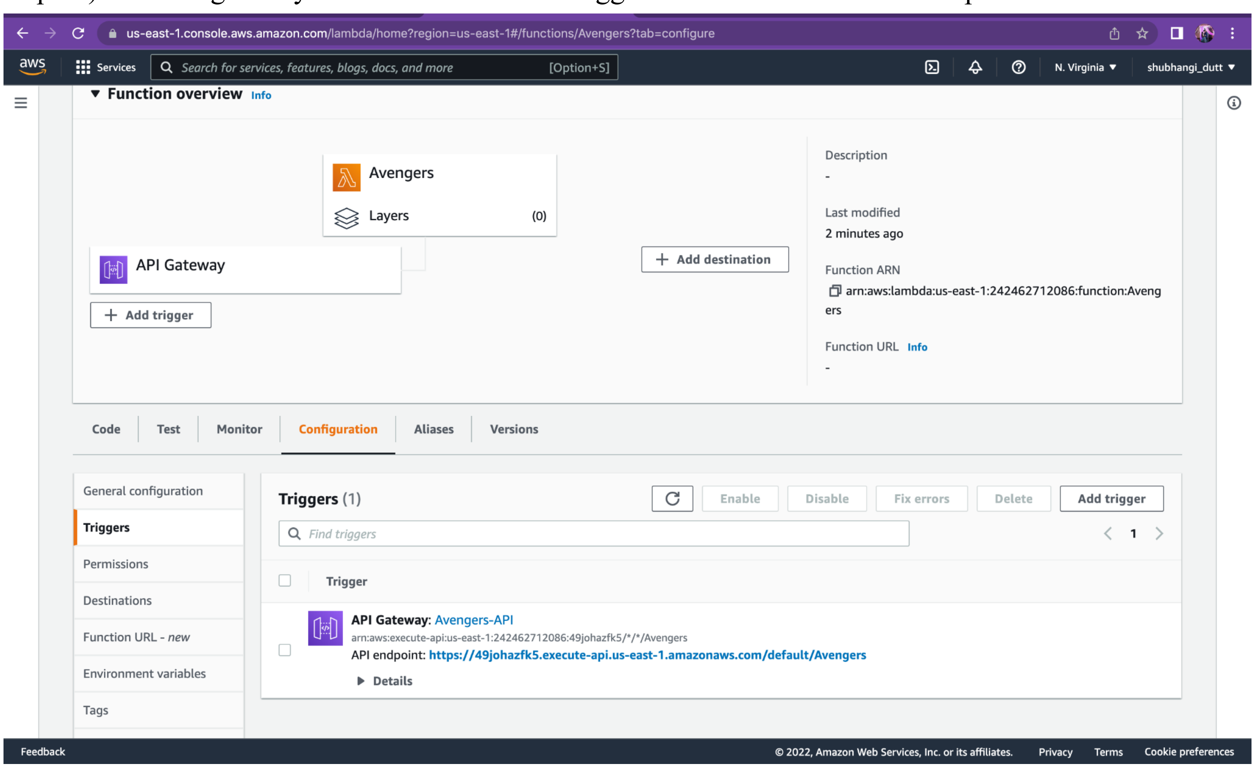
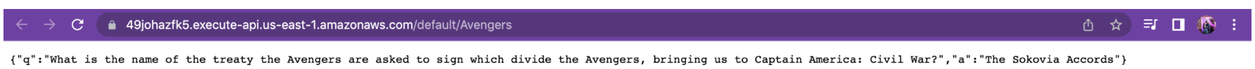


Step 13) The API gateway was then available in triggers. I selected the URL and opened it in a new tab.



Step 14) The required output was generated.



Step 15) I then switched to ‘Monitor’ tab

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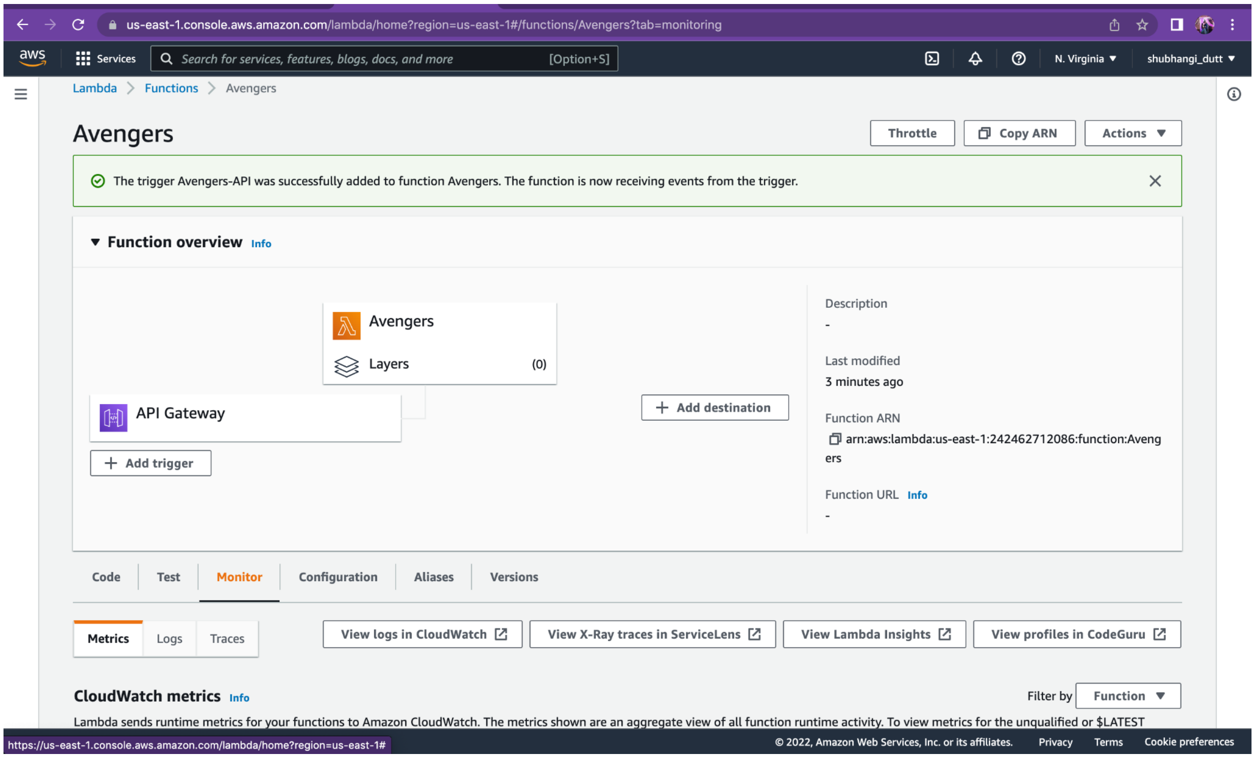
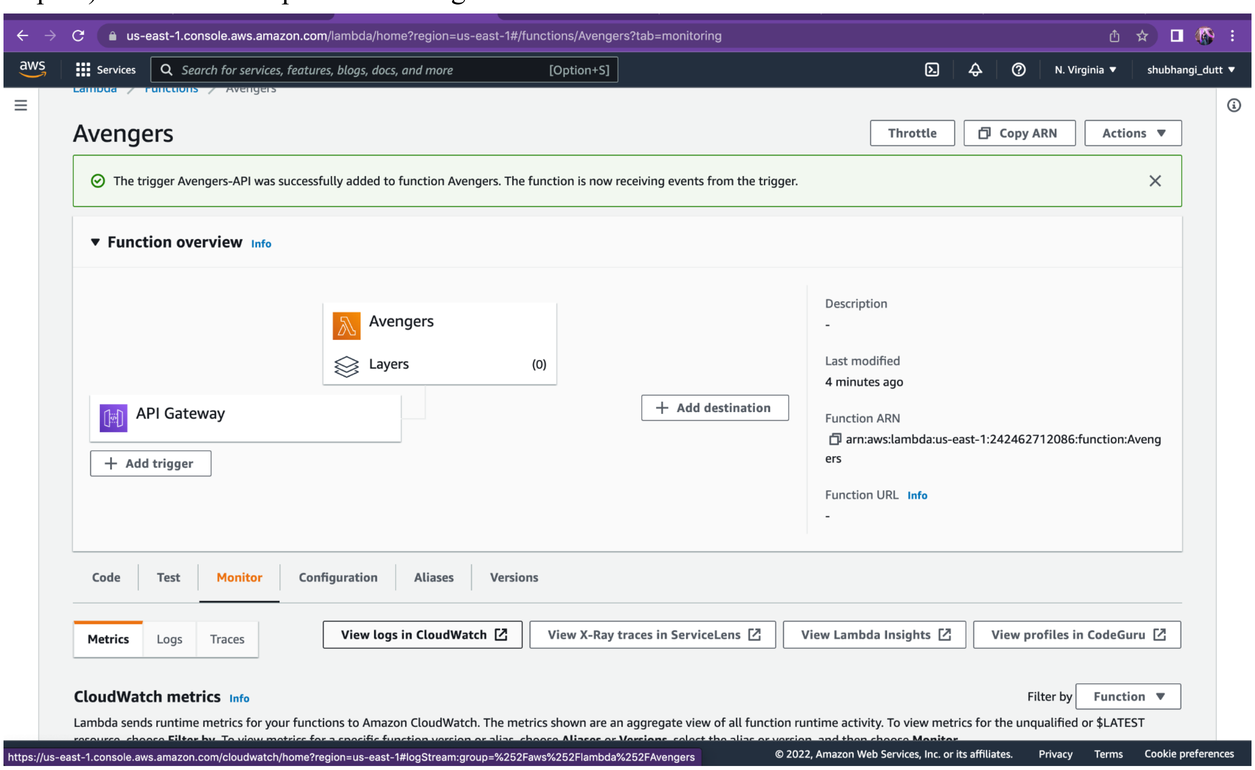


Step 16) I selected the option 'View logs in Cloud Watch'.



Step 17) Under the log stream column I selected the link for logs.

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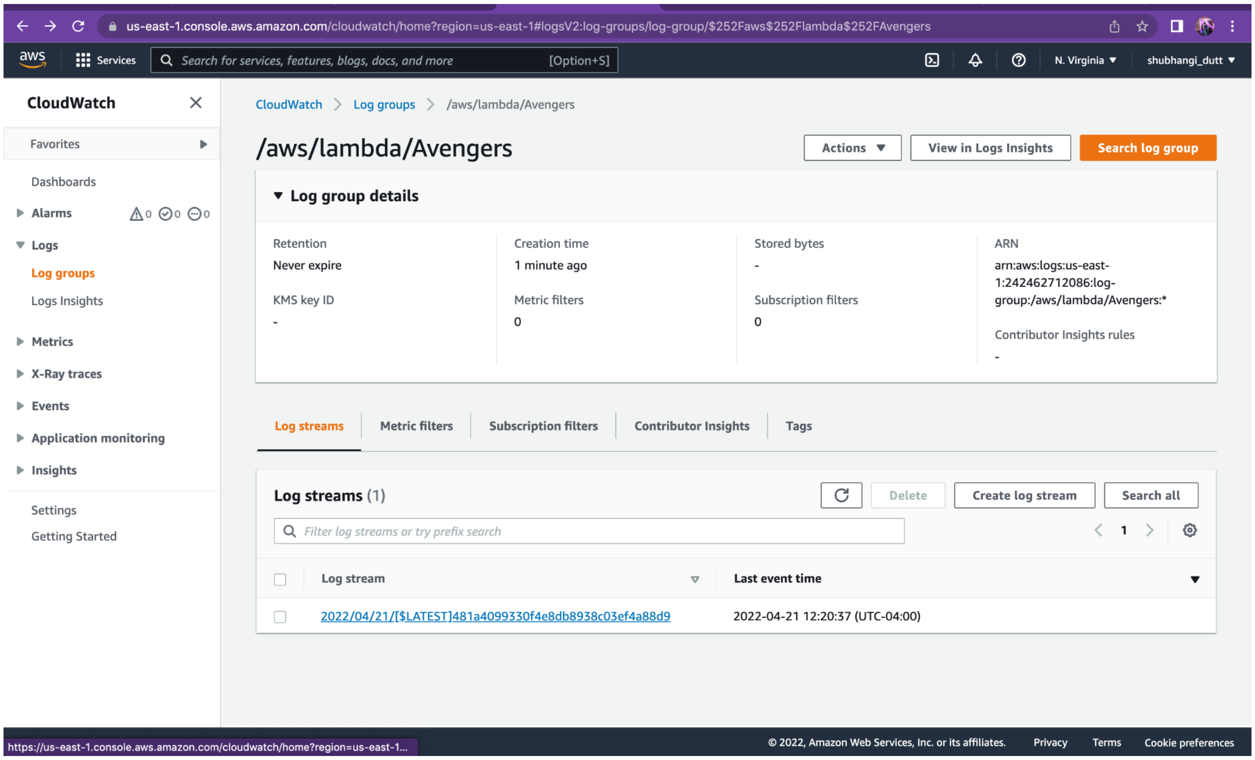
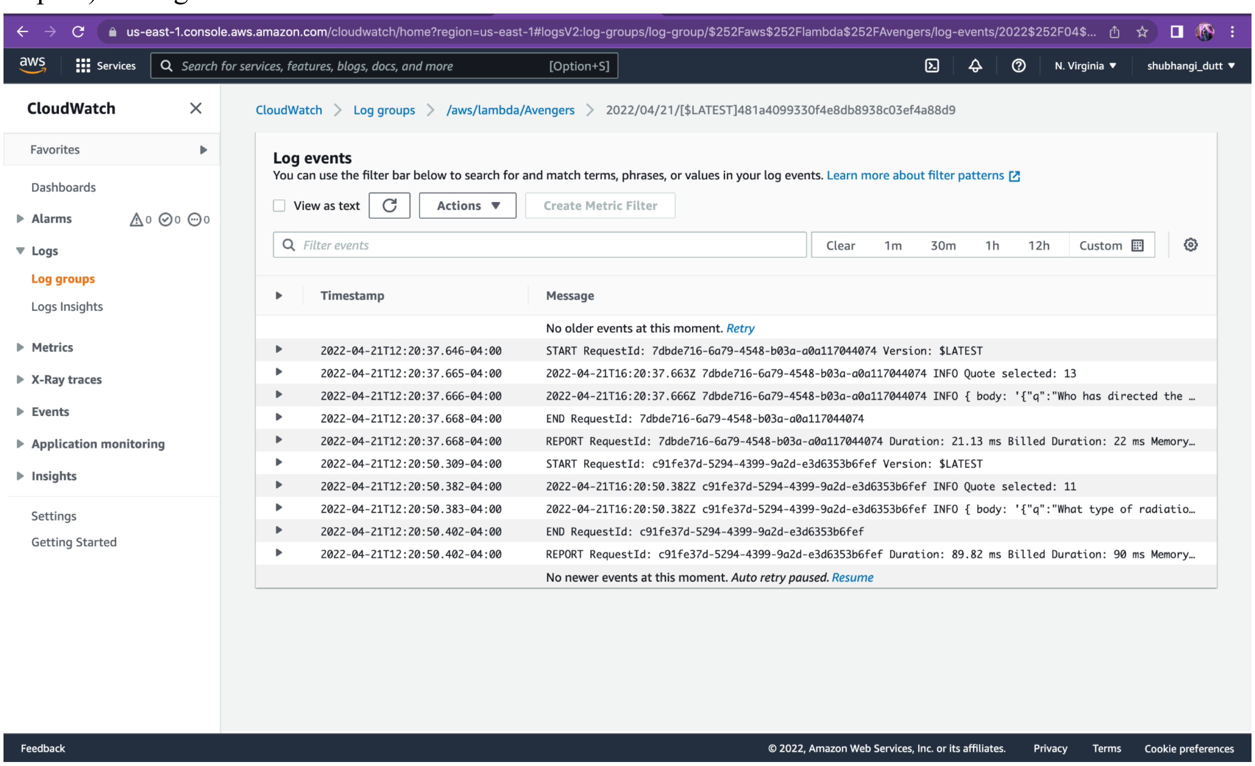


Step 18)The logos were as follows:-



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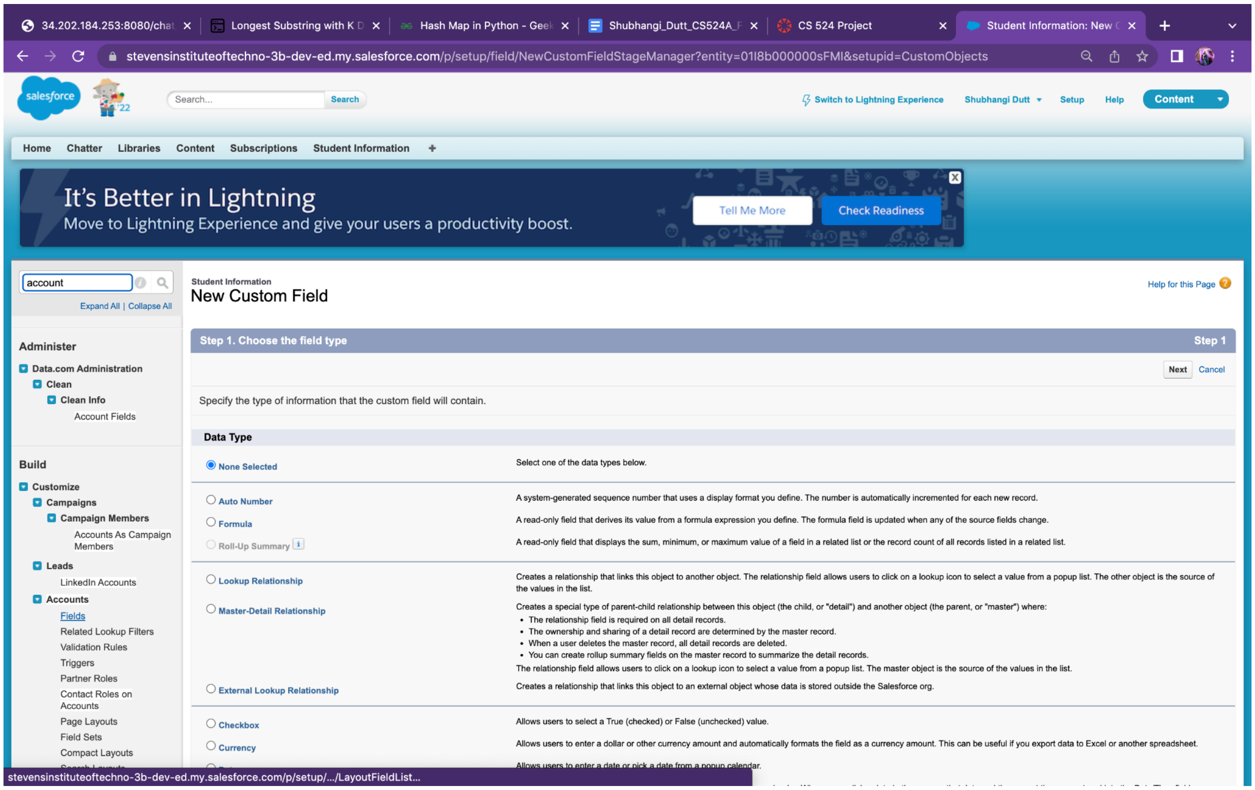
PART B: Salesforce.com
Customization on the Standard Object

1) Creating custom field on Account Object

Step 1) I went to quick search box and searched for accounts. I then selected fields.



Step 2) I selected 'new' in 'Account Custom Fields & Relationships'.

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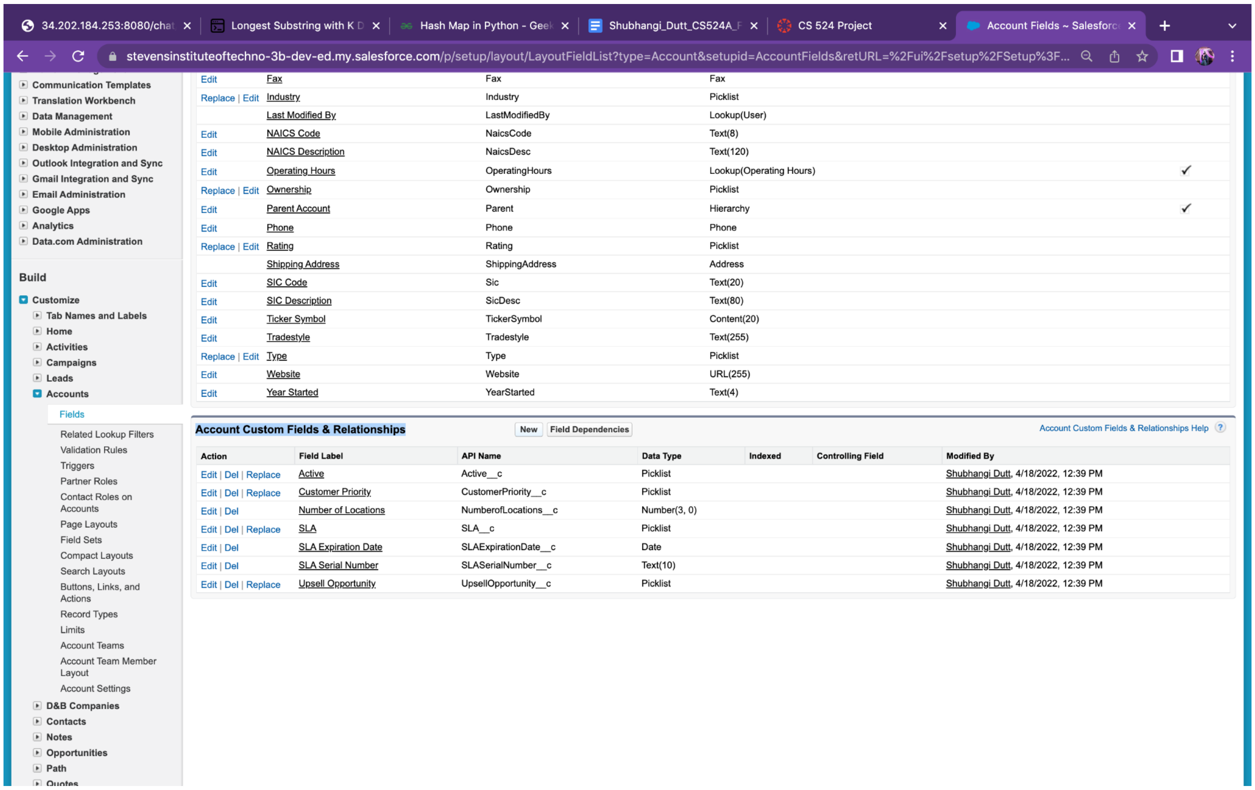
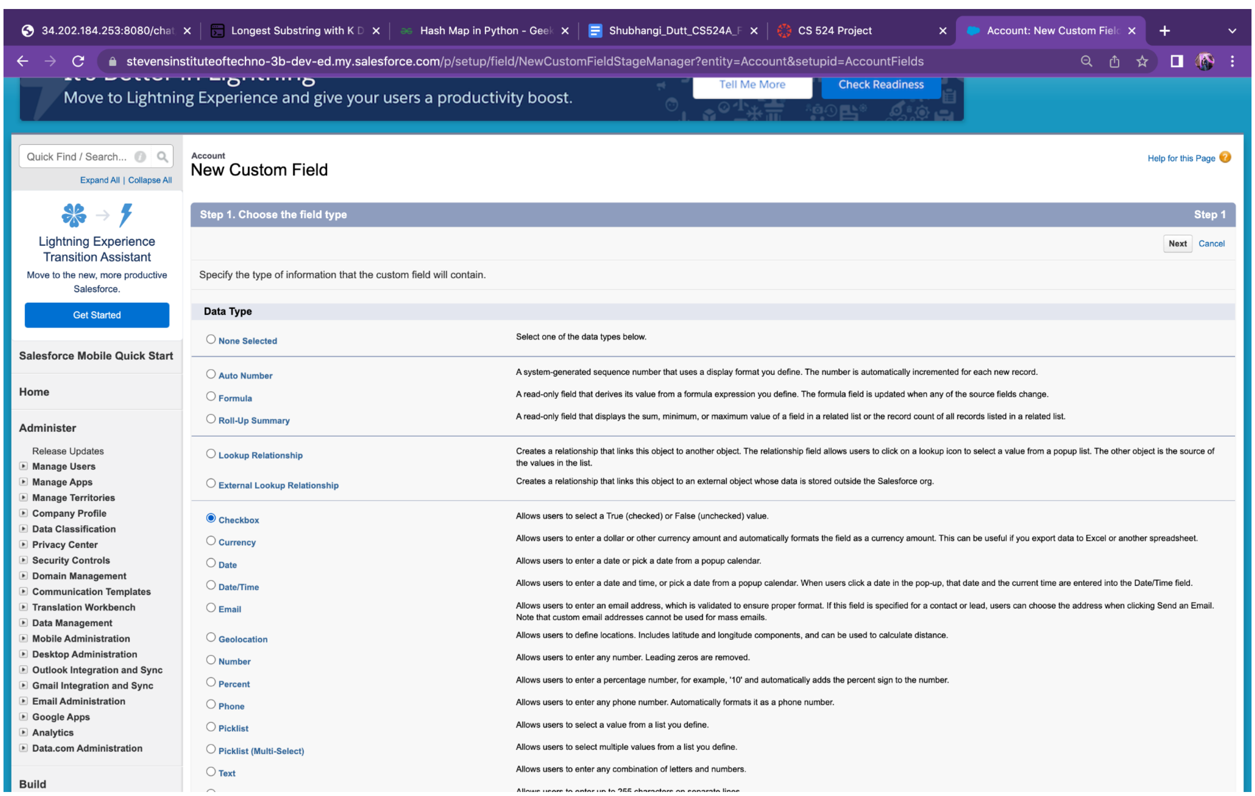


Step 3) I Created a new field of type checkbox



Step 4) I entered the values as follows:-

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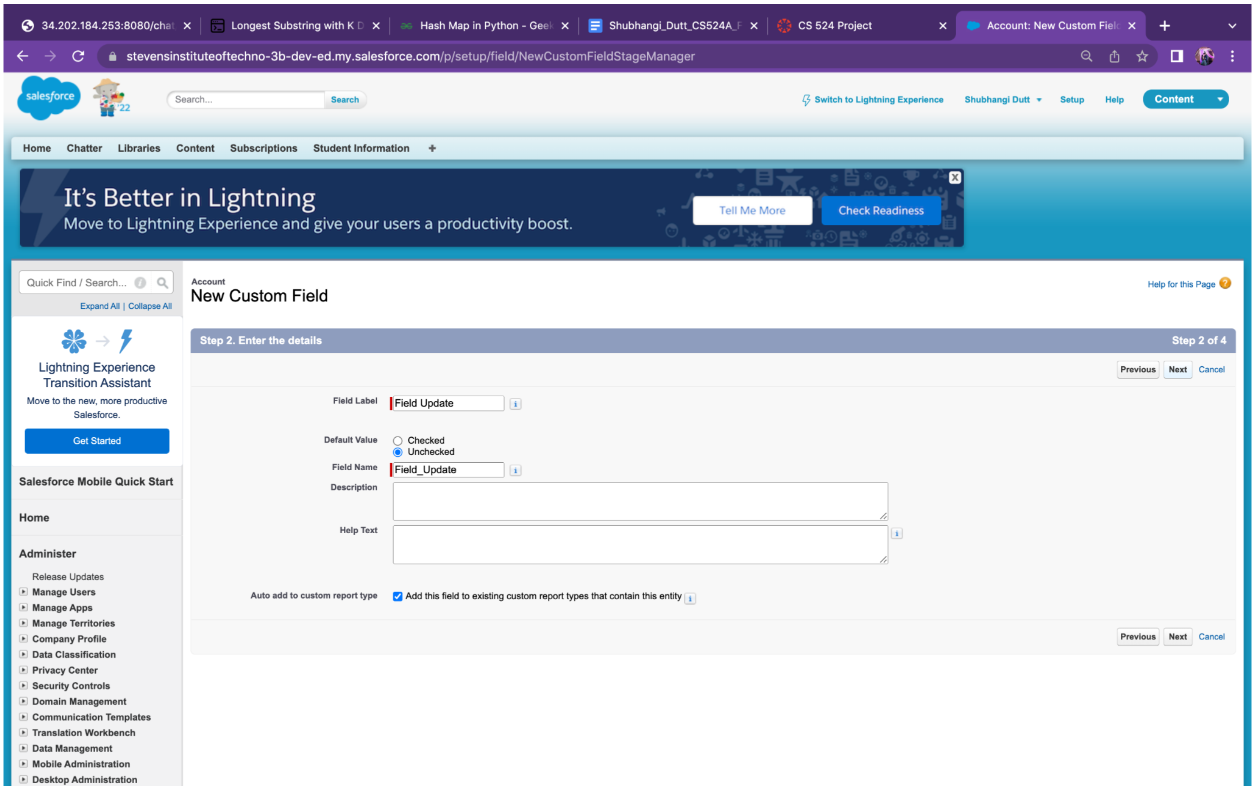
Field label: 'Field Update'
Default value: unchecked
Field name : Field_Update



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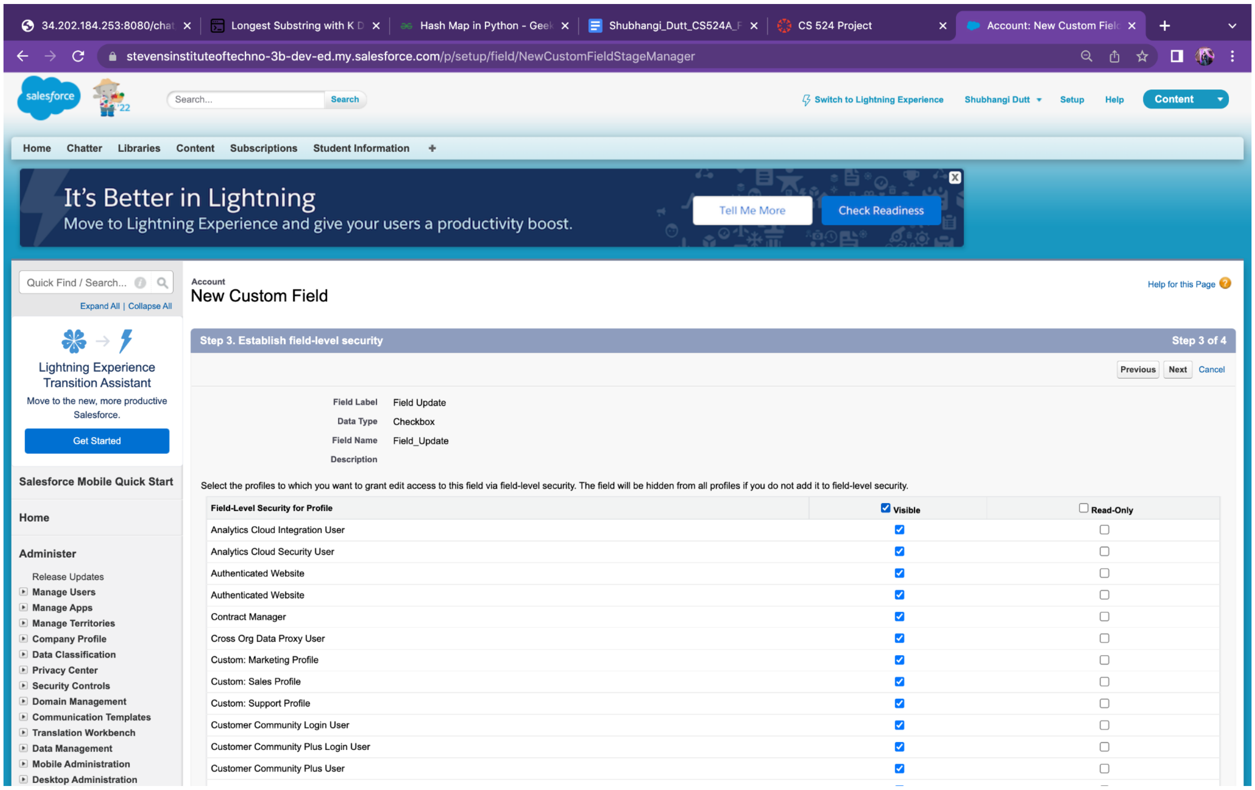
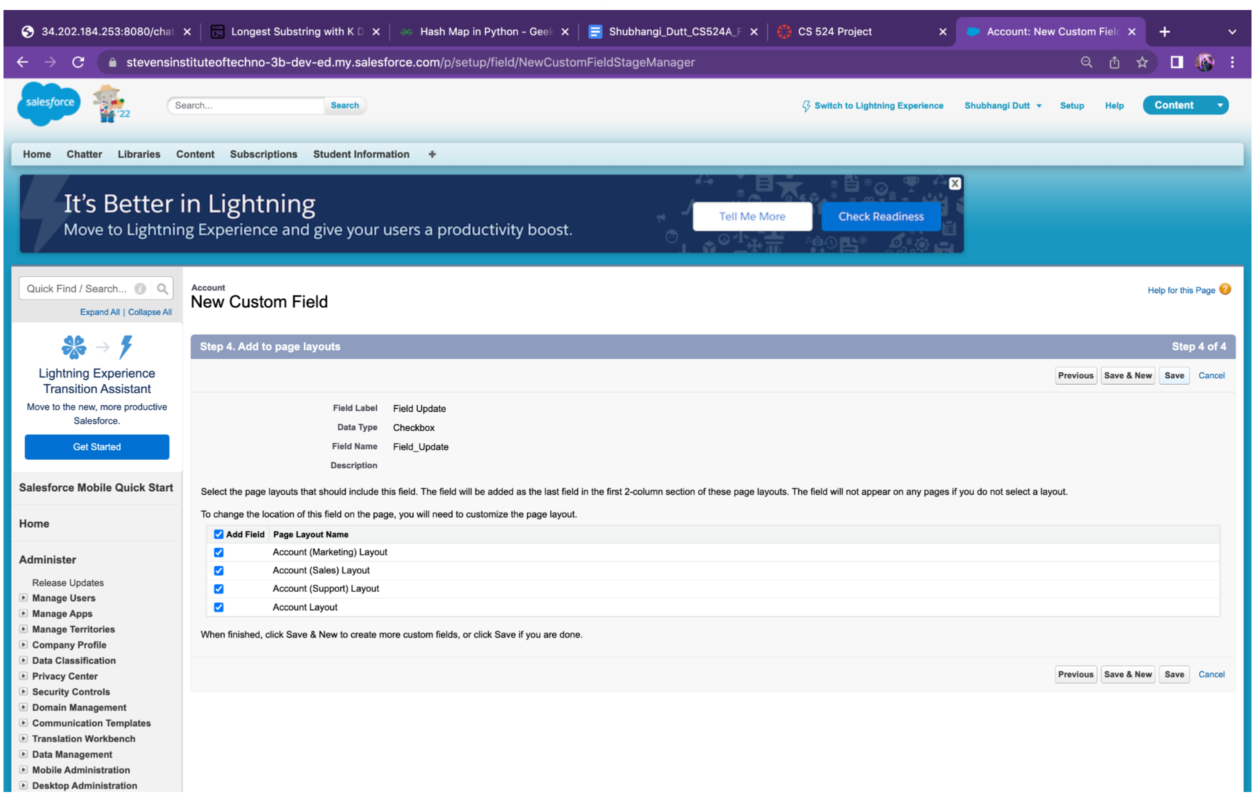
Step 5) I set ‘visible’ as true in check boxes in establish-field-level-security



Step 6) I set checkboxes true for ‘add to page layouts’ and clicked save.



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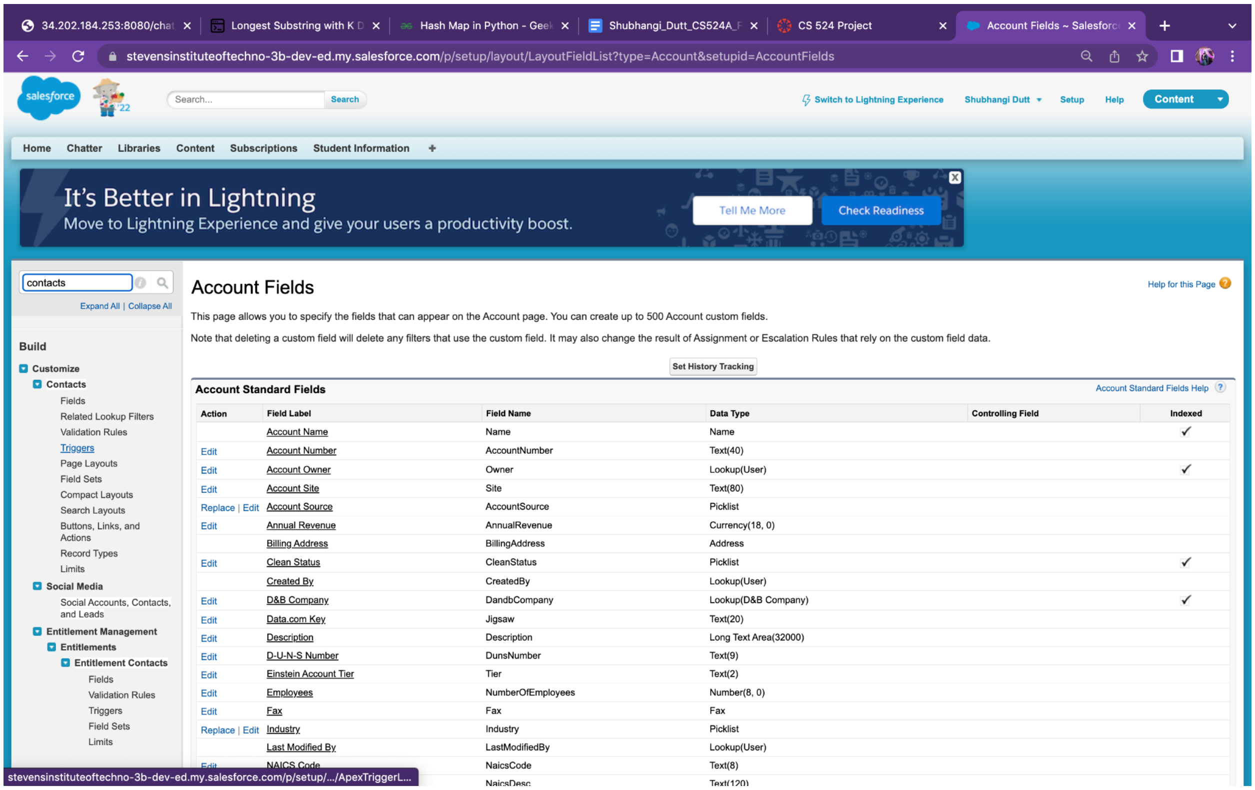
2) Creating Apex trigger on Contact Object

Step 1) I searched for Contacts in the quick search box and selected 'Triggers'



Step 2) I created a new trigger

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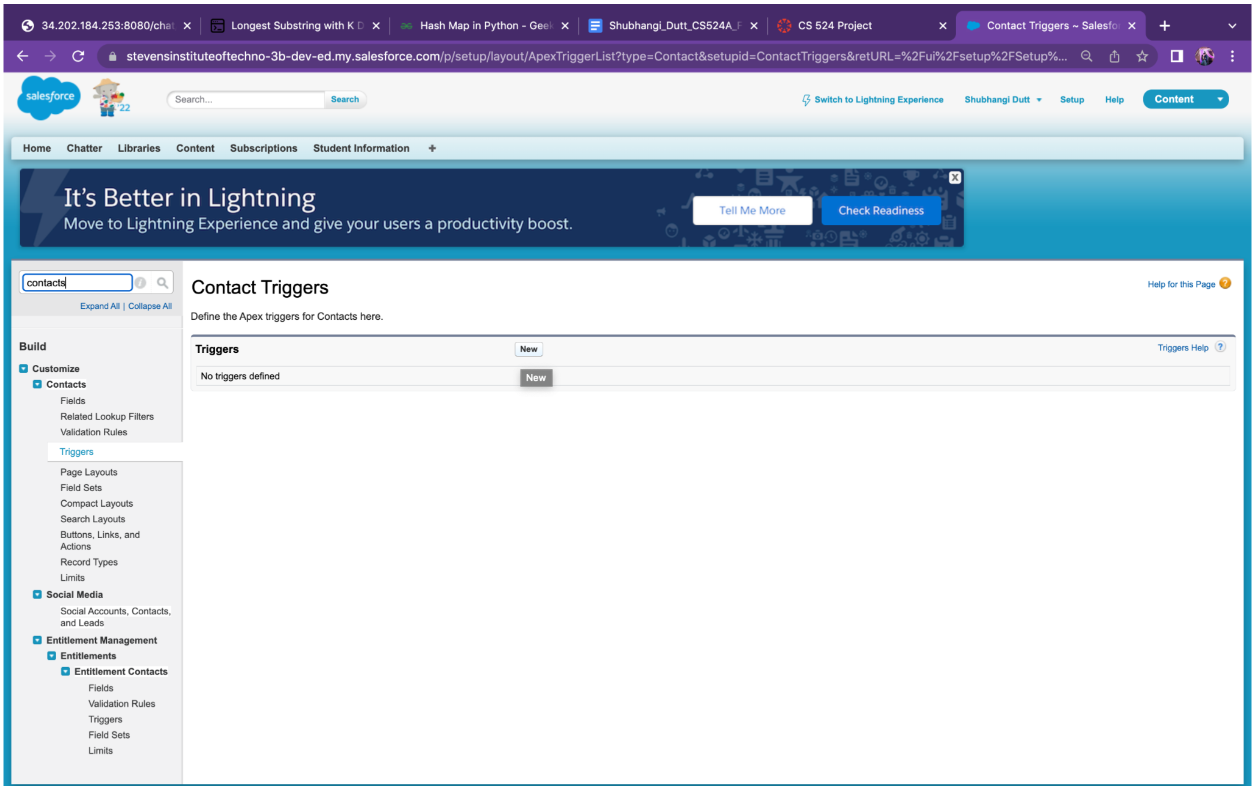
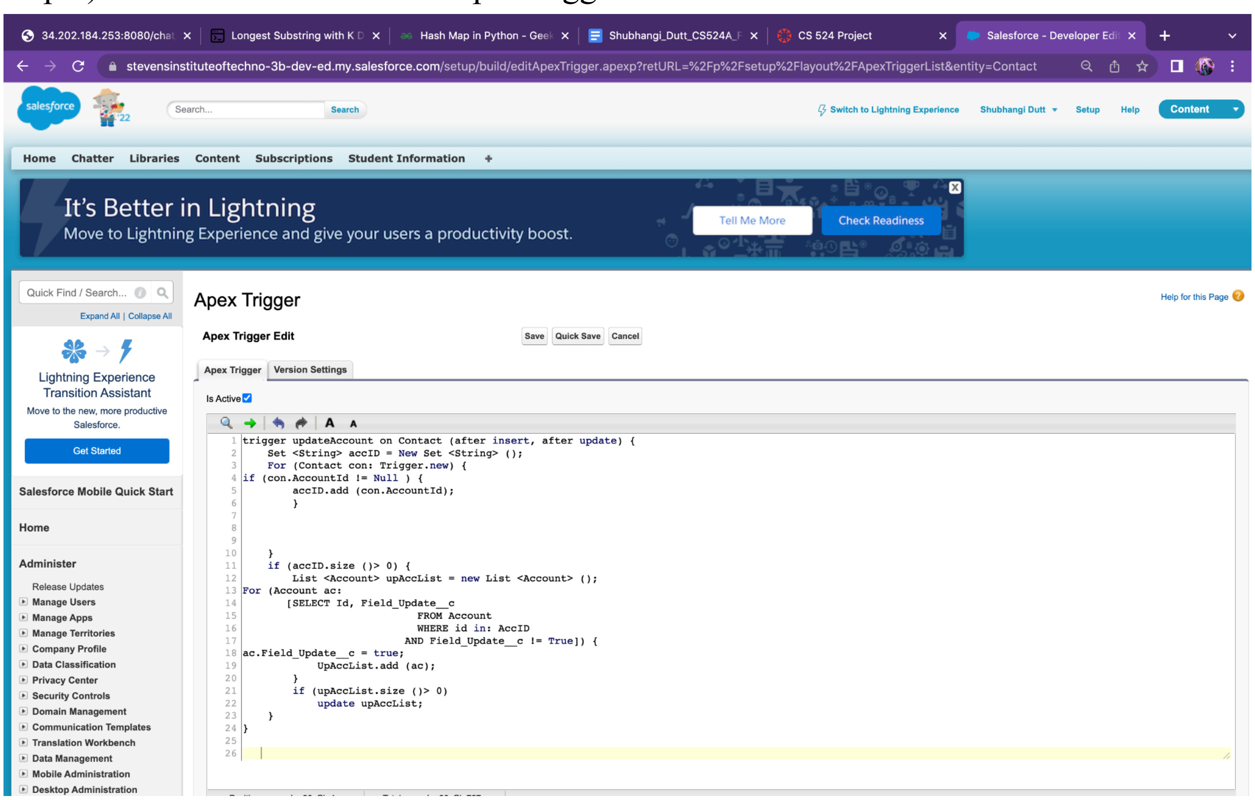
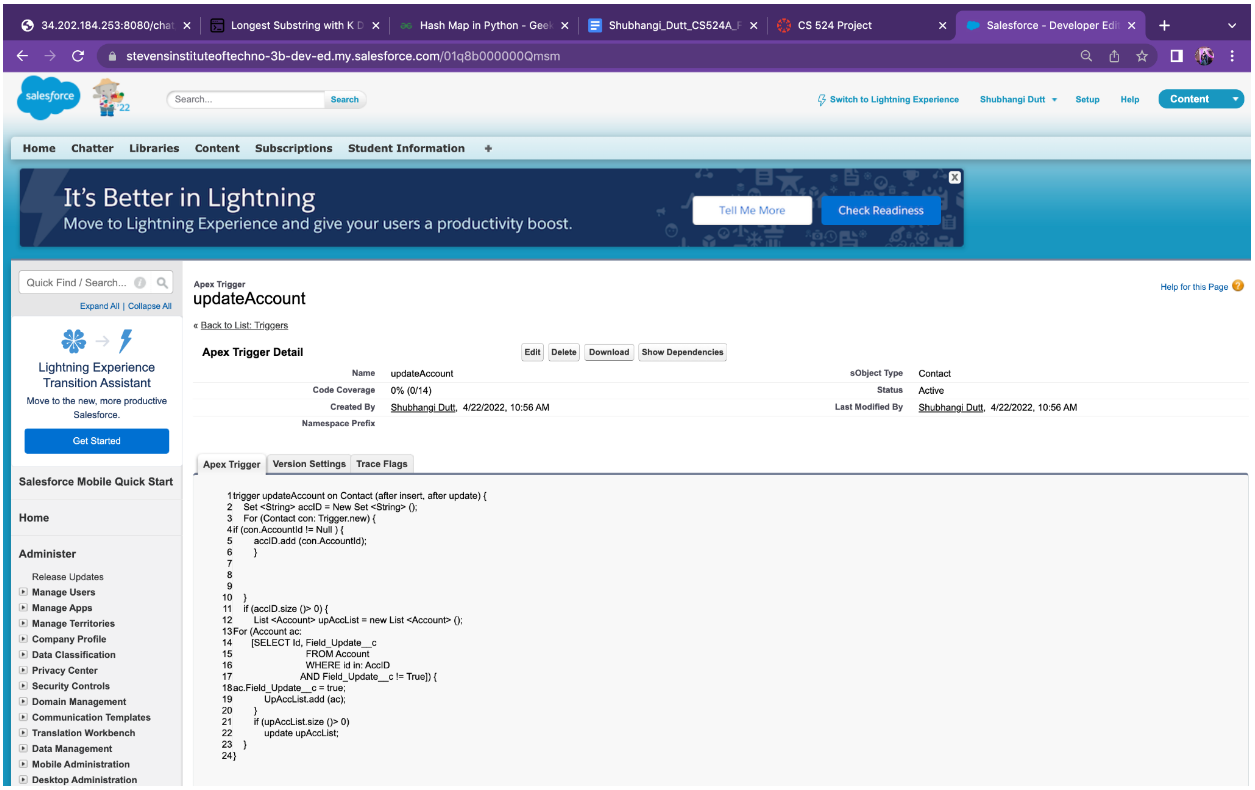


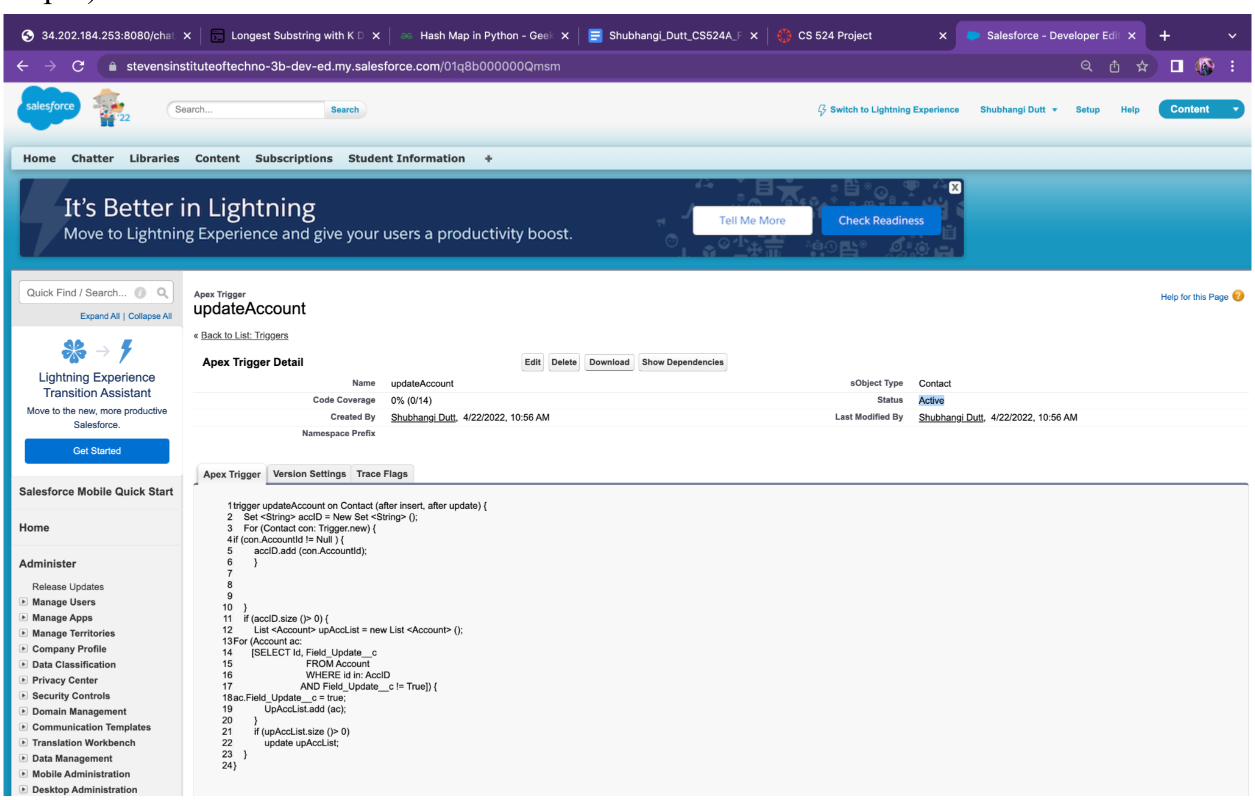
Step 3) I entered the code in the Apex trigger and clicked on 'Save'



Step 4) Update account apex trigger was created



Step 5)The status can be seen 'Active'



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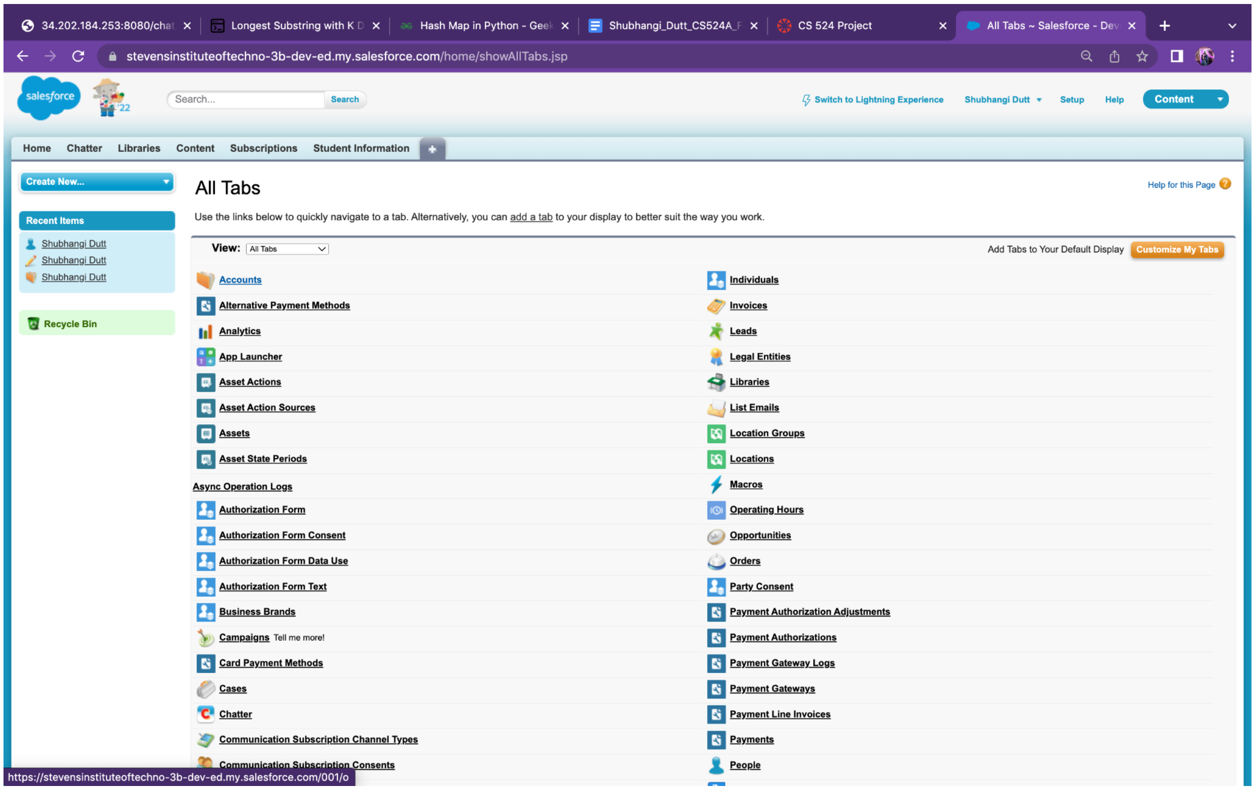
3) Creating a Contact record

Step 1) I clicked on the '+' button and then selected the Accounts field.



Step 2) I selected the existing record that I had created.

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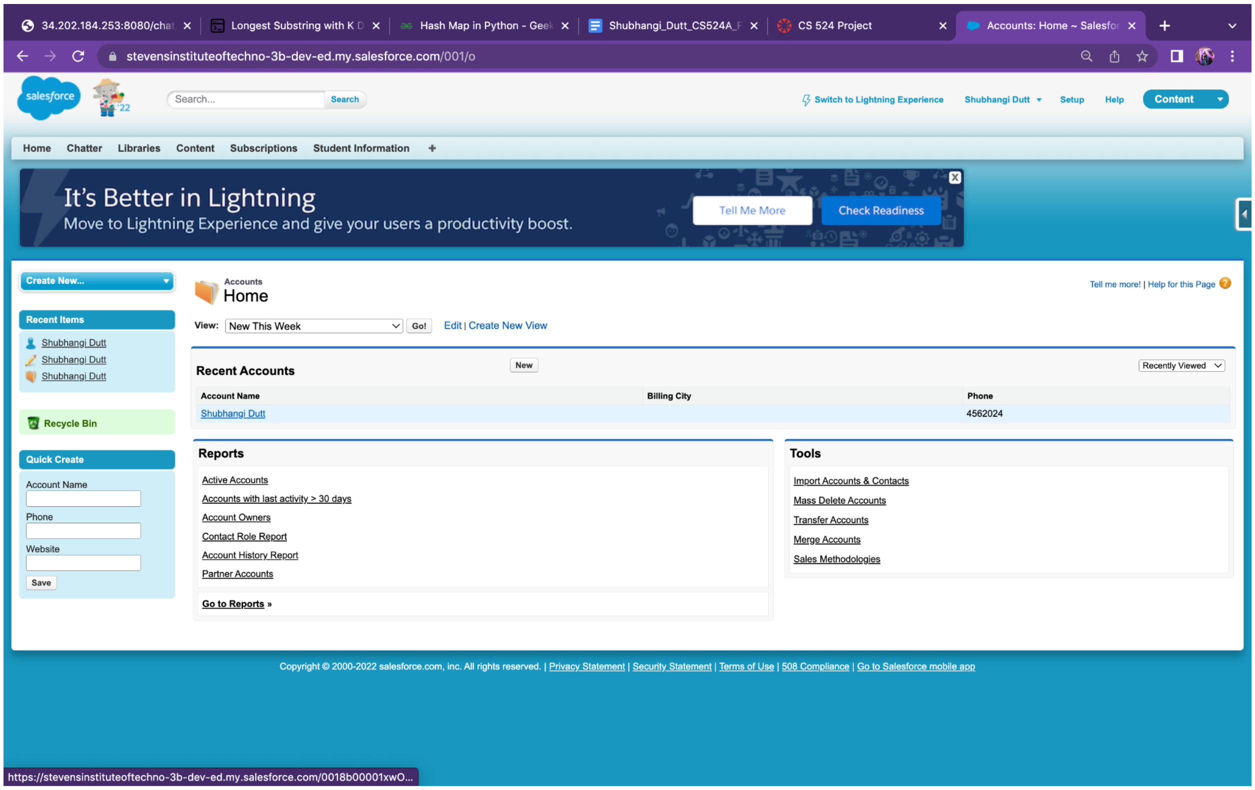
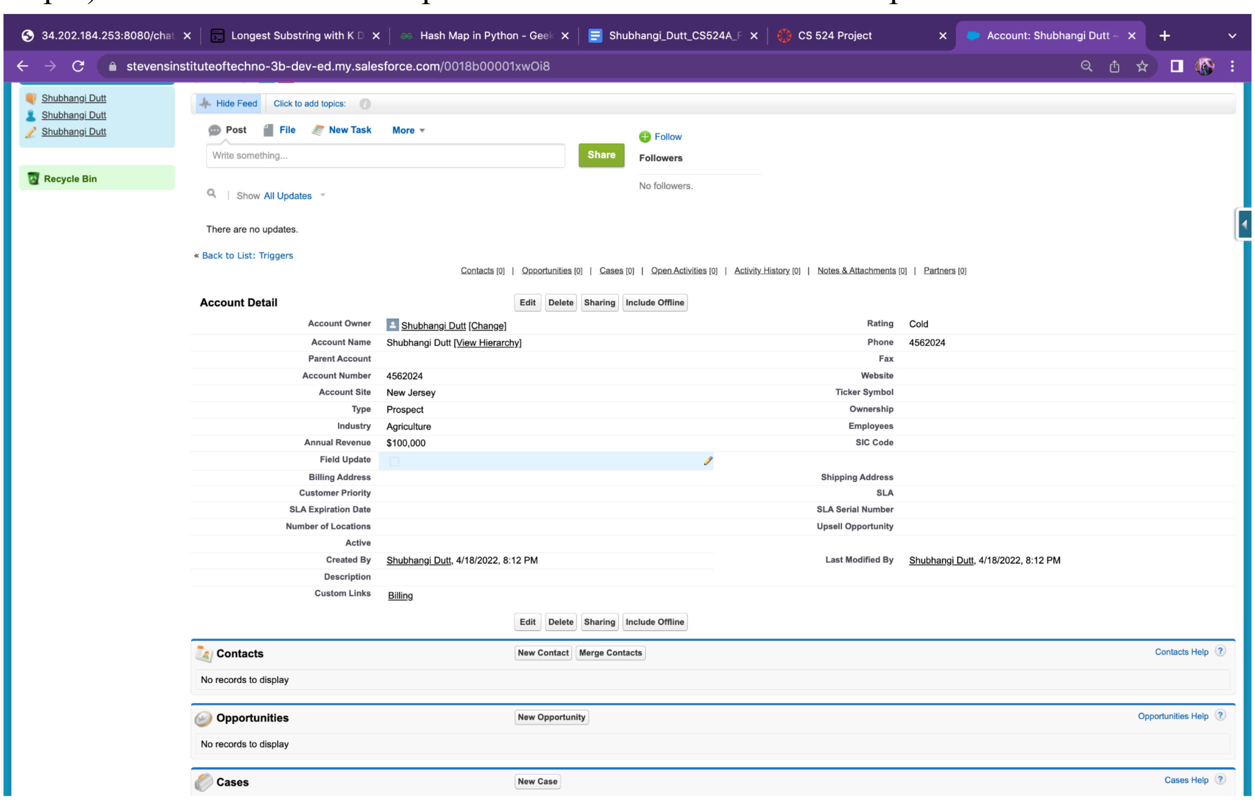


Step 3) I could see the Field Update unchecked.I selected edit option



Step 4) I entered my contact details and saved.

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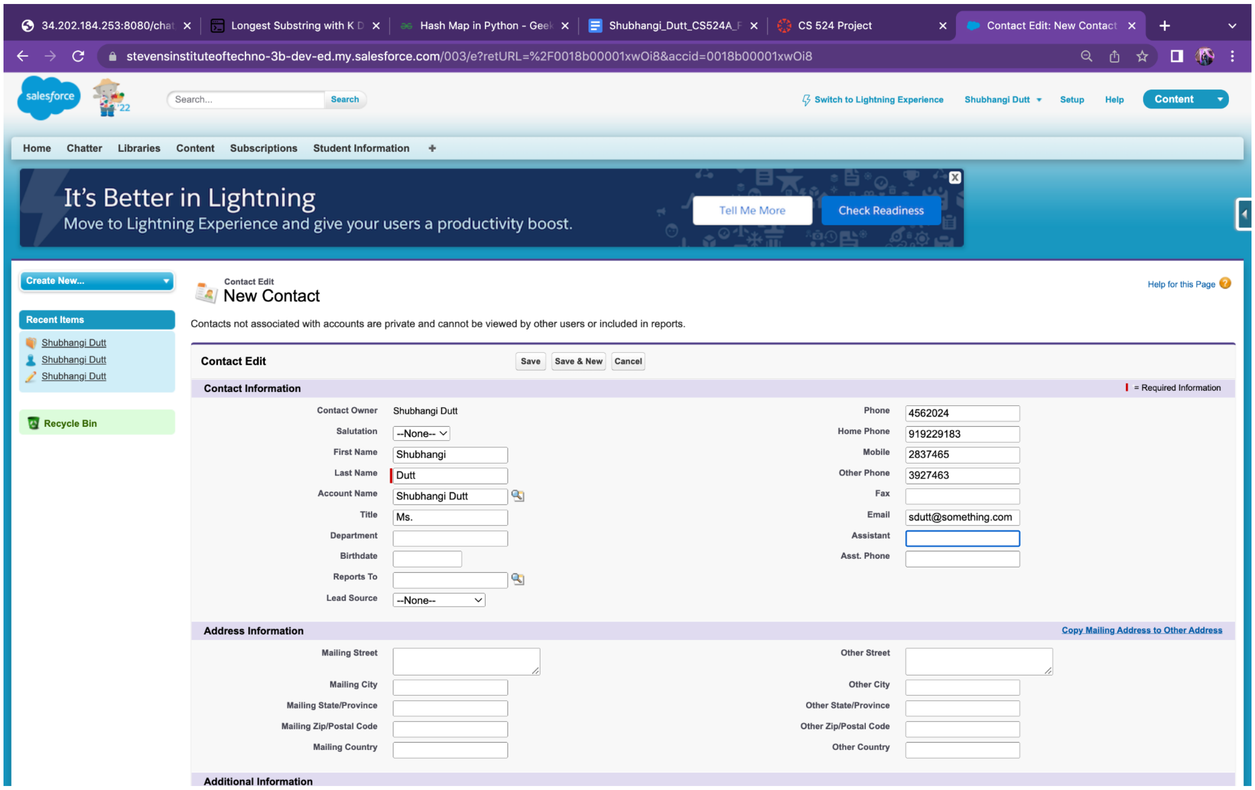
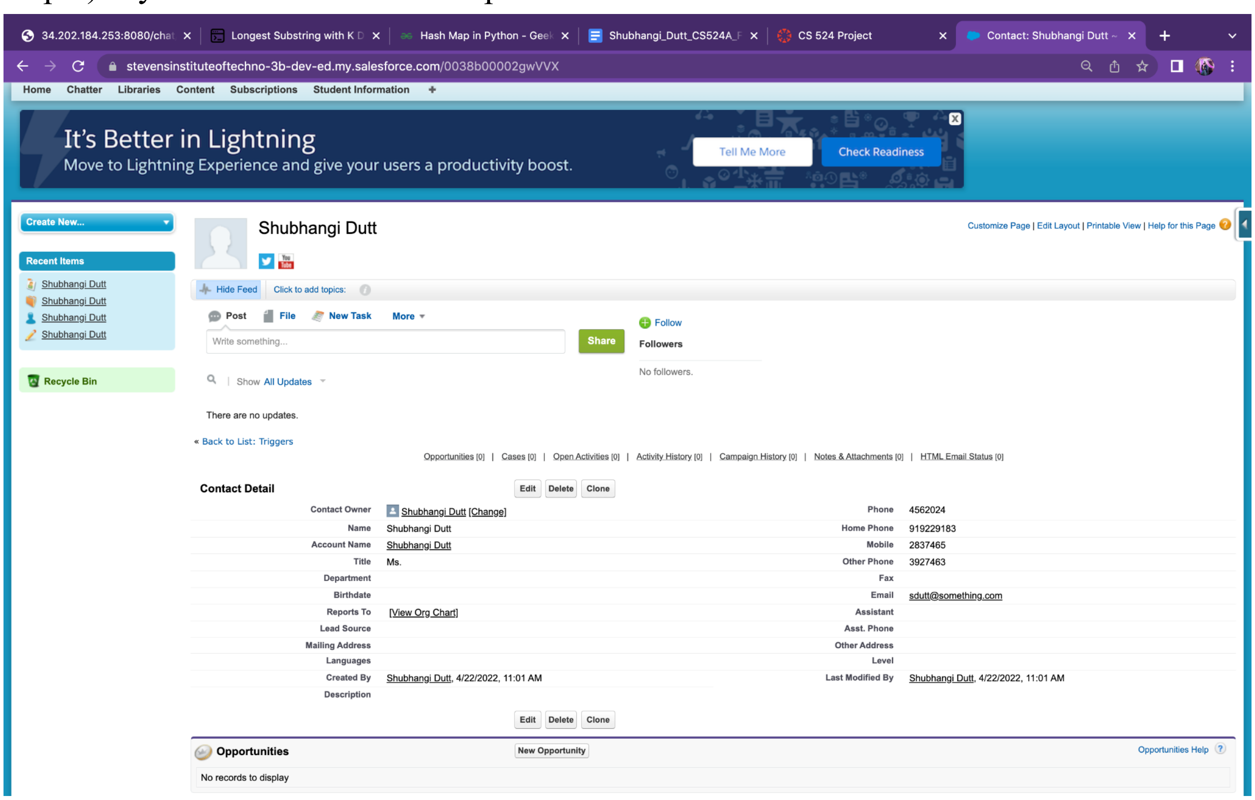


Step 5) My information was now updated.



Step 6) The last edited time had changed

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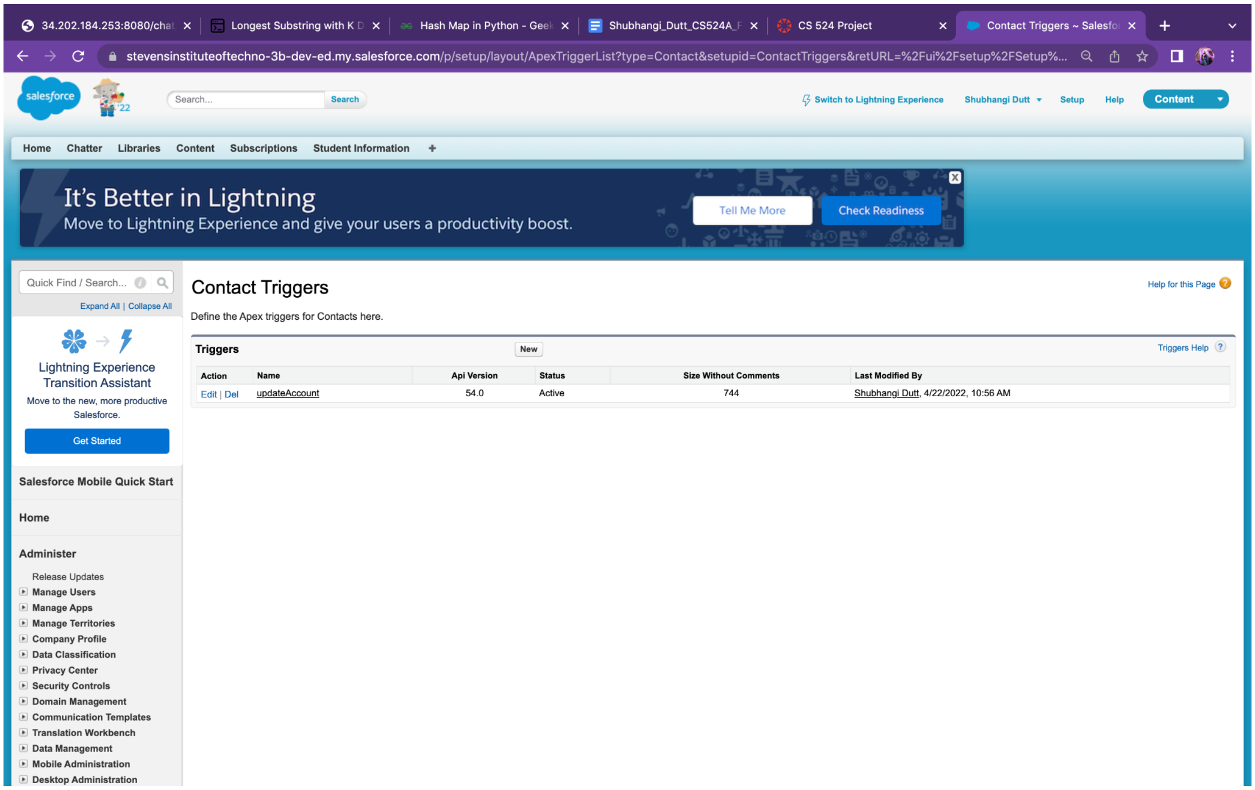

Step 7) the 'Field Update' field was now updated with a check sign.