SASTRA DEEMED-TO-BE UNIVERSITY END SEMESTER EXAMINATIONS B.Tech. - V SEMESTER FEBRUARY 2021

CSE304: PYTHON PROGRAMMING WITH WEB FRAMEWORKS

DURATION: 3 Hrs. MAX. MARKS: 100

Question:

Create a csv file that contains name of person, status (Professional / Politician / Employee), income per year, list of fixed deposit values, dictionary of assets and their values in the following format:

Name, Status, Income, FD_List, Asset_Value_Dict

AAA. Professional, 800000, [1200000, 45000, 300000, 200000], (House: 4500000, Car-600000, Land: 4000000, Jewels: 1000

BBB, Politician, 10000000, [2000000, 1000000, 25000000], (House: 30000000, Car-2000000, Land: 100000000, Jewels: 2500

CCC, Employee, 700000, [500000, 20000000, 150000], (House: 1000000, Jewels: 250000)

- 1. Create module called person to define a python class named Person to hold attributes name (string), status (string), income (integer), total deposits value (sum of all FD values integer) and total assets value (sum of all assets values integer). Provide functions to initialize its members, to return string representation of object by concatenating all details as a string separated by comma. Also define another function to check the validity of candidature using the following rules:
 - a. If the person is a Professional and his total deposits exceeds 10 times of his annual income or the total assets value exceeds 25 times of his annual income, then raise an ValueError Exception "IT Raid Alert" message
 - b. If the person is a Politician and his total deposits and total assets value exceeds 10 times of his annual income, then raise ValueError Exception "Disproportionate Assets Alert" message
 - c. If the person is an Employee and his total deposits or total assets value exceeds 20 times of his annual income, then raise ValueError Exception with "Scam Alert" message
 - 2. Create another module called candidate and define createCand_List() function to create Person objects from the csv file and store those objects as a module level list object called candidate_list.
 - Create a webpage using template systems that takes candidate_list, checks the
 validity of candidature of each person to render and display the alert message if
 exception is raised (or else "Good" message if no exception) along with the details
 of each person.

[Note: No necessity to create Model or Form, include at least 10 persons details in the csv file to cover all possible outputs]

Question *

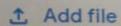
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Using django framework, develop a site that allow the faculty by login and enter the marks of a candidate (Use exception handling). The grade of the mark should be determined by the python code, all the marks and grade need to be stored in a database.

Activate Win





Send me a copy of my response.

Submit

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1. Voyage: The travelling app which can connect the travelers with tourism companies. The app needs to be installed in every travelers mobile device. The app collects the source and destination details, mode of travel, No. of travelers and number of days details from the user. Based on their details, app will suggest the best hotels, food joints, sight seeing places, shopping points and cultural event happenings to the users. For this suggestion the app needs to be created by using AI for the prediction of the details to the user. Once the app suggestion will be selected by the client, the app will create the unique ID for each trip and travelers. From the source to destination by using the GPS, app will guide the users for safe journey. Based on the mode of travel, app should provide the features like Emergency contact, next GAS station, upcoming food joints in the way, next site seeing location and dynamic routes based on the traffic and weather conditions as well panic button. The app should predict the possible time to reach the destination by reading the movement of the vehicle. If time exceeds abnormally, the app should contact the traveler, then local emergency number (based on the current GPS location) will be called from the user device as well location will be messaged to the emergency number set by the traveler for emergency situation. The app should focus more on read the movement of the traveler and their current location will make suggestion to the user. The suggestions should be made by the reviews of previous travelers. The app should connect the insurance companies as suggestion prior to every travel.

For the given scenario create a Django web forms which can read and display the traveler details

Read the traveler name, mobile number, journey dates (from and to), location, mode of travel, stay options, food options and for other details collect from scenario. You should create three forms: 1. To Show the available service like booking hotels, site seeing,, mode of travelling, 2. To Collect the details for each service in respective forms and 3. To display the Traveler details along with package, travel mode, food and accommodation. Host this using Django web forms

Question *

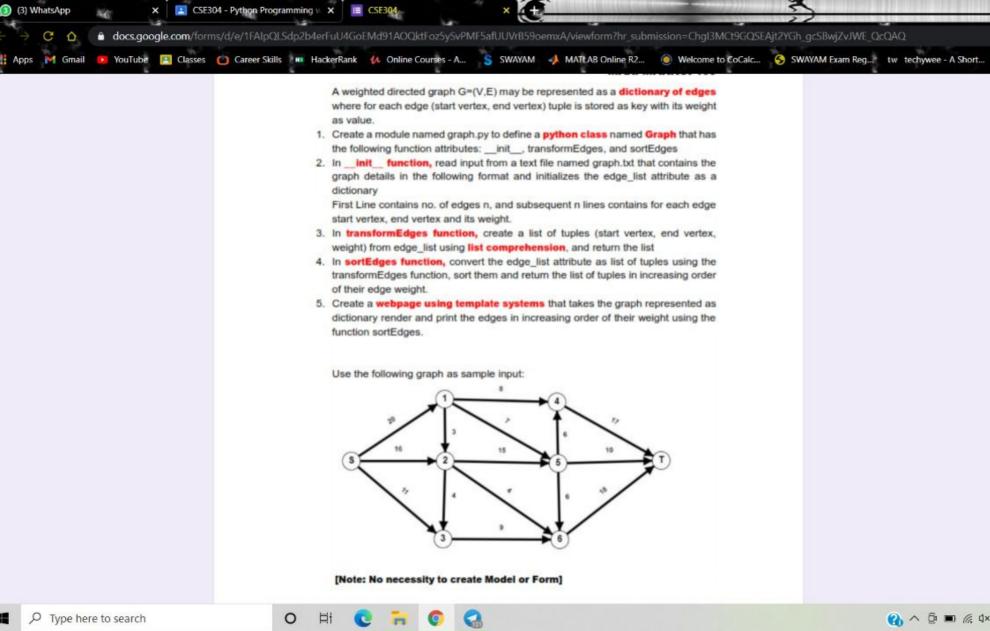
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CSE304: PYTHON PROGRAMMING WITH WEB FRAMEWORKS

DURATION: 3 Hrs. MAX. MARKS: 100

Develop a web page to list or show the nuts and dry fruits and their price in a table, Use login to view the page, the login credentials and nuts, price and dry fruits, price details should be stored in three different dictionaries.





WhatsApp

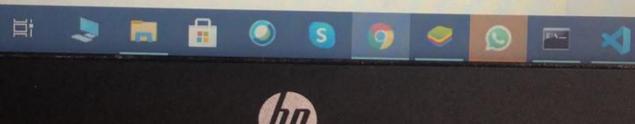
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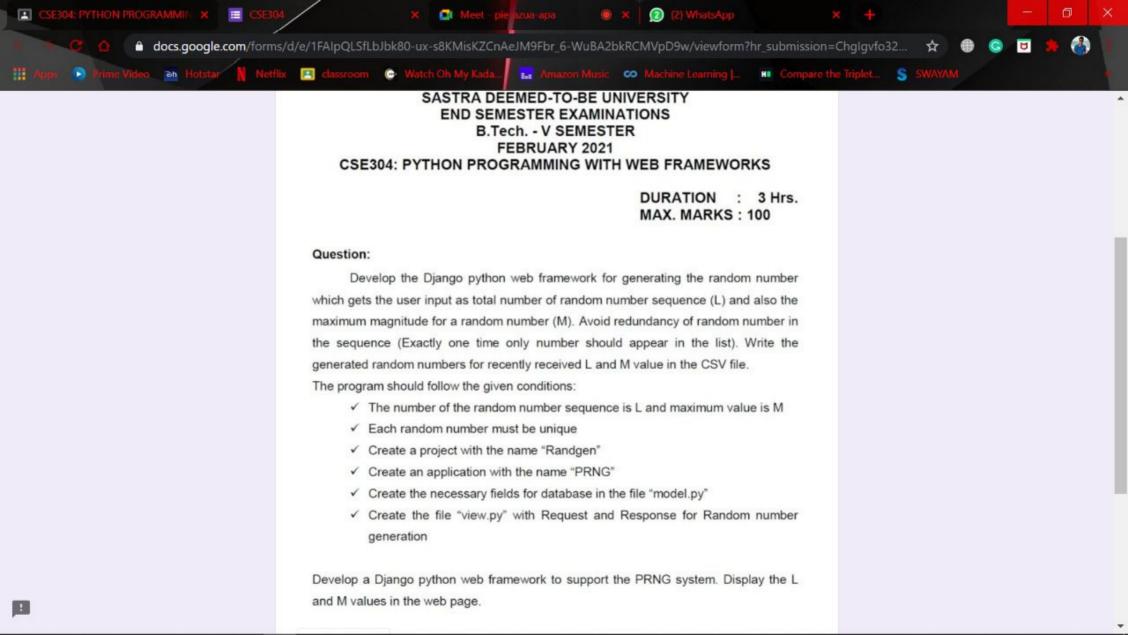
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Question:

A manufacturing company XYZ maintains a database using Django application. The inventory manager keeps a database for products with details such as Product ID, Product Name, and Quantity in hand. The inventory manager has to generate the consolidated product details report in the form a CSV file.

The program should adhere to the following conventions:

Create a project with the name "inventory"

Create an application with the name "product"

Create the fields for product database in the file "model.py"

Create the file "view.py" with Request and Response for product details

Develop a Django web framework to help the inventory manager which should generate the product details report as a CSV file and also display the data using a HTML file.



Question *

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docs.google.com/forms/d/e/1FAIpQLSf4X2RKK3grx1N1fc.pU4yLljRzsjmZZLsLShksmGnV-zWYhA/viewform?hr.submission=ChgIllWKrWUSEAjuvg3c.gcSBwj47sP_AcQAQ

100 points

Meet - hvk-cmai-tfi

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A django application is to be created to support product delivery logistics. The app tells information about the source and destination location and the distance between them. This information is to be stored as a dictionary object. Each object contains the SourceCity, DestinationCity and Distance. SourceCity is the key and the value will be a list of tuples. Each element of the list will be a tuple containing the DestinationCity and Distance, in sequence. Create a model to generate the routes and update the database at the backend.

The user interface has the following functionalities:

- a) AddNewRoute() Input the source, destination and distance. If a matching object is present i.e., if the source and destination matches, then raise an exception with the message "Route already present". If the source is present and the destination is not in the list, then add the (destination, distance) pair to the values of that source city.
- **b) FindDistance()** Input the source and destination. If a match is found, then display the distance.

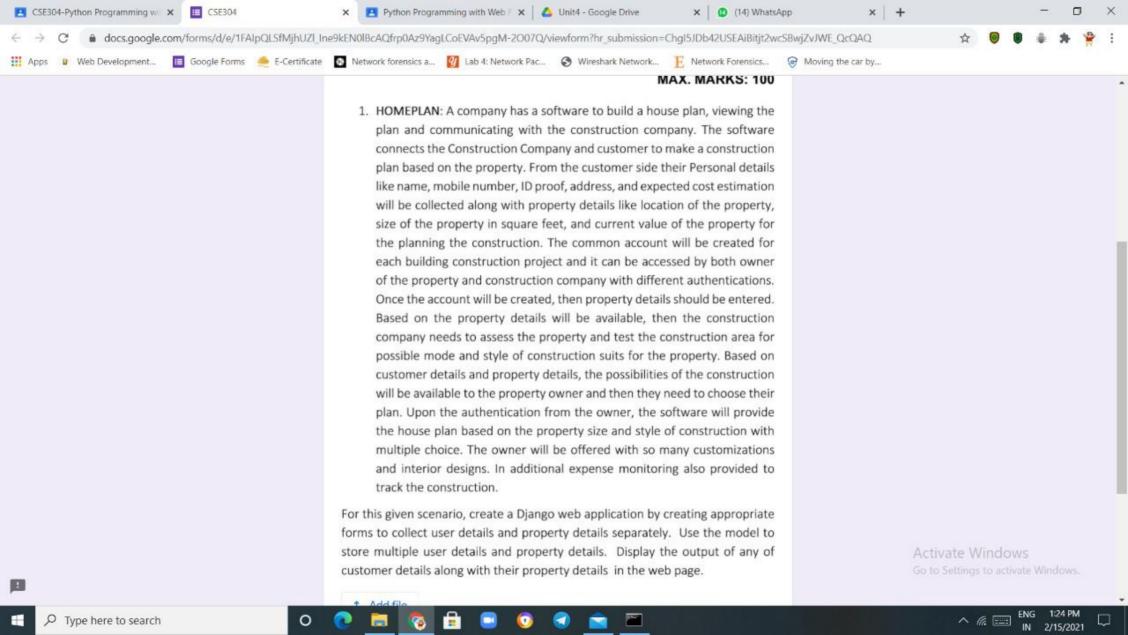
Create the home page and demonstrate the functionalities given above for the application and name it appropriately.

Build a Django based web application for displaying employee details along with total experience. Your application must include the following:

- Create a model class with four fields: ename, eaddress, ejoin_dt and edept with suitable data types attached.
- Create a Django Form class with form fields matched with that of the model class.
- Attach the model to Admin interface and present the display of objects similar to the following Django Administration interface. Default ordering based on joining date is to be set.



- 4. Create three view functions:
 - a) index function that simply displays a welcome message when the URL is empty.
 - b) emp_post function that stores a newly constructed model object using posted data in database, creates an empty CSV file called emp.csv and appends the posted data as a row in the CSV and redirects the response to emp_archive function. Note: The joining date to be entered in the form interface should comply with this dd-mm-yyyy format.



A corporate uses Django application to maintain an Staff database. Database need to be updated by the HR manager with details such as staff ID, staff Name, Designation and salary. List of staff details must be shared from the database to the accounts manager through email.

The program should adhere to the following conventions:

Create a project with the name "Staff"

Create an application with the name "Report"

Create the fields for employee database in the file "model.py"

Create the file "view.py" with Request and Response for details

Develop a Django web framework to help the HR manager to send an email and also display the data using a HTML file.