

Salesforce Interview – 01/75- Key

1. General Questions

1.1. Tell me about yourself?

Education :

Thank you for the Opportunity, I am <Name> and I have completed Graduation in <University Name>

IT and Salesforce Journey:

I learnt Salesforce after my graduation and started my IT Journey in 2019 as a Fresher as a Salesforce Intern with Electrics. My first project <Project1>, I have worked on Creating Workflow Rules, Email Alerts, and process builder, Data Migration through data loader and workbench, Identification of the data issues, Enforcement of Data Security rules, role profile and sharing rule creation, Development and implementation of the case management application for all teams, Report and Dashboard preparation for business needs

Then in my next project, I worked for <Project2> as a Salesforce Developer and worked on Roles, Profiles, permission set, sharing rule creation, custom objects, custom fields, formula fields, relationships creation as needed enforcing data security, Developed Apex trigger, Batch Apex, Lightning web component, Involved in Writing Test Classes for Code Coverage, Involved in issue analysing and Bug Fixing.

In my recent project, I got a chance to work with <Project3> as a Salesforce Developer. Here I did a hand analysis and addressed the issues raised by the business. Data Migration through data loader and workbench, Identification of the data issues. Developed Apex trigger, lightning web component, and Flows. Escalate and coordinate with stakeholders and the core capability team as per the complexity of the issue. Integrating salesforce with external Systems using Rest API and use of Postman

1.2. Explain your IT and Salesforce Journey?

IT and Salesforce Journey:

I learned Salesforce after my graduation and started my IT Journey in 2019 as a Fresher as a Salesforce Intern with Schneider Electronics. My first project in Schneider Electronics was <Project1>, I have worked on Creating Workflow Rules, Email Alerts, and process builder, Data Migration through data loader and workbench, Identification of the data issues,

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Enforcement of Data Security rules, role profile and sharing rule creation, Development and implementation of the case management application for all teams, Report and Dashboard preparation for business needs

Then in my next project, I worked for <Project2> as a Salesforce Developer and worked on Roles, Profiles, permission set, sharing rule creation, custom objects, custom fields, formula fields, relationships creation as needed enforcing data security, Developed Apex trigger, Batch Apex, Lightning web component, Involved in Writing Test Classes for Code Coverage, Involved in issue analysing and Bug Fixing.

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1.3. Which clouds, you have worked in Salesforce?

- Sales Cloud and Service Cloud - For Freshers
- Sales Cloud and Service Cloud - Experienced People enter whatever you have mentioned in projects add those Clouds

1.4. What is your Notice Period?

- I get relieved from my last company in Aug 2023 due to some medical issues I left the company

1.5. Are you a contract or permanent employee?

- Permanent employee.
- Contract- If you are in Payroll with one company and working for another company (Implementation Partner)
- Permanent - If you are directly with the Implementation Partner

1.6. What is your current CTC?

- 19 LPA

1.7. Is your Current CTC Fixed or Variable?

- Fixed - It is an ideal answer
- Variable - If you are working with a company and have a Variable salary which has Either a Performance Bonus or some other allowances.

1.8. What is your monthly take-home?

- 1,26,000 /- After your Professional and other taxes
- My Salary is getting deducted with
- Professional Tax

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- Medical insurance = 600/-
- Provident Fund = 1,800 /-
- Tax on Monthly Income = 22,916/-

1.9. What is your Expected Salary?

- As per Company Norms.

2. Project Questions

2.1. How many Salesforce Projects you have worked on?

- 3 Salesforce Projects

2.2. Explain your current Salesforce Project Descriptions from end to end?

- In my last project I am working <Current Project> as salesforce developer.
- Here I did First hand analysis and Addressing the issues raised by the business. Data Migration through data loader and workbench, Identification of the data issues . Developed apex trigger, lightning web component ,Flows. Escalate and coordinate with stake holders and core capability team as per the complexity of the issue. Integrating salesforce with external Systems using Rest Api and use of Postman
- for building an application using which Sales persons can order Medicines for the medical stores and Doctors.
- The whole application was built using Lightning web component, Apex, integration.
- In the 1st page user has to fill all the required details then after clicking next user can select product whatever he want and then the next step is to do the payment using credit cards.
- Here we have done 2 integration, the first one is integration with SAP for Order fulfillment and the Second one is with a payment gateway for the transaction.

2.3. What are your Role and Responsibilities in your current Project?

- Developed apex trigger, batch apex, lightning web component, Integration etc
- Involved in Writing Test Classes for Code Coverage
- Involved in issue analyzing and Bug Fixing
- Deployment using.

2.4. What are your day-to-day activities in your current Project?

- Attending Daily stand Up calls.
- Picking up assigned tickets from Jira board
- After compilation of work pushing those tickets to QA
- Connecting with QA team regarding bugs and trying to fix the bugs.

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2.5. Which clients and client locations you have worked for?

- In My first Company I have worked for eSpycons pvt Ltd. which is in Bangalore
- Project Name : Workforce Care and B2B Care (Lightning
- Client Name : Schneider Electric
- Location : Bangalore

- → Then in my next company I worked for IQVIA for Bangalore location.
- Project Name : OCE Merz Global
- Client Name : IQVIA
- Location : Bangalore

- → In my last Company I got chance to work for OLA. Bangalore Location.
- Project Name : OLA Electric
- Client Name : OLA
- Location : Bangalore

2.6. What is your current/recent work in your Salesforce Project?

- Development of Application using LWC, Apex and integration.

2.7. What are your strengths and weaknesses while working on Salesforce Projects?

- **Weakness**
 - Managing time effectively, especially when facing tight project deadlines, is an area where I continuously work to improve.
- **Strengths**
 - I have a deep understanding of Salesforce and its various modules, allowing me to leverage its full potential for customization, automation, and integration.
 - I excel at identifying challenges within Salesforce projects and developing effective solutions. Whether it's optimizing workflows, resolving data integration issues, or implementing complex business logic, I am adept at finding practical solutions.

- Handling large volumes of data in Salesforce can be challenging, and I am continuously working to enhance my skills in optimizing data structures and queries to ensure optimal

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performance.

2.8. What are the different challenges you faced while working on Salesforce Projects?

- In my experience working on Salesforce projects, I've encountered various challenges that have tested my problem-solving skills and adaptability.
- One significant challenge has been managing large data volumes efficiently. Sometimes face performance issues when dealing with substantial amounts of data. To address this, I've focused on optimizing data structures, implementing efficient indexing, and optimizing queries to ensure smooth operations.
- Another challenge I've faced is striking the right balance between customization and out-of-the-box functionality. While customization is a strength of Salesforce, excessive customization can lead to maintenance challenges and potential complications during upgrades. I've learned to carefully assess business requirements and leverage standard functionalities whenever possible to maintain a robust and scalable solution.

2.9. What is your team size?

- 5 members team

3. Admin Questions

3.1. What is a recent admin scenario, you have worked on?

- I implemented validation rules, mandatory fields and data format checks, handling relationships between the objects, handling global value sets, and creation of list view related to particular fields.

3.2. What are the Functionalities you have worked in Admin?

- As a Salesforce Admin, I have been involved in a variety of key functionalities to ensure the smooth operation and optimization of Salesforce
- within my organization. Some of the key areas I have worked on including user management, data management, reports and dashboards,
- security features, customizations and configurations.

3.3. Design Data Model: Plan and implement a basic data model outlining the fields required for each object, considering essential patient information, medical history, appointment details, etc

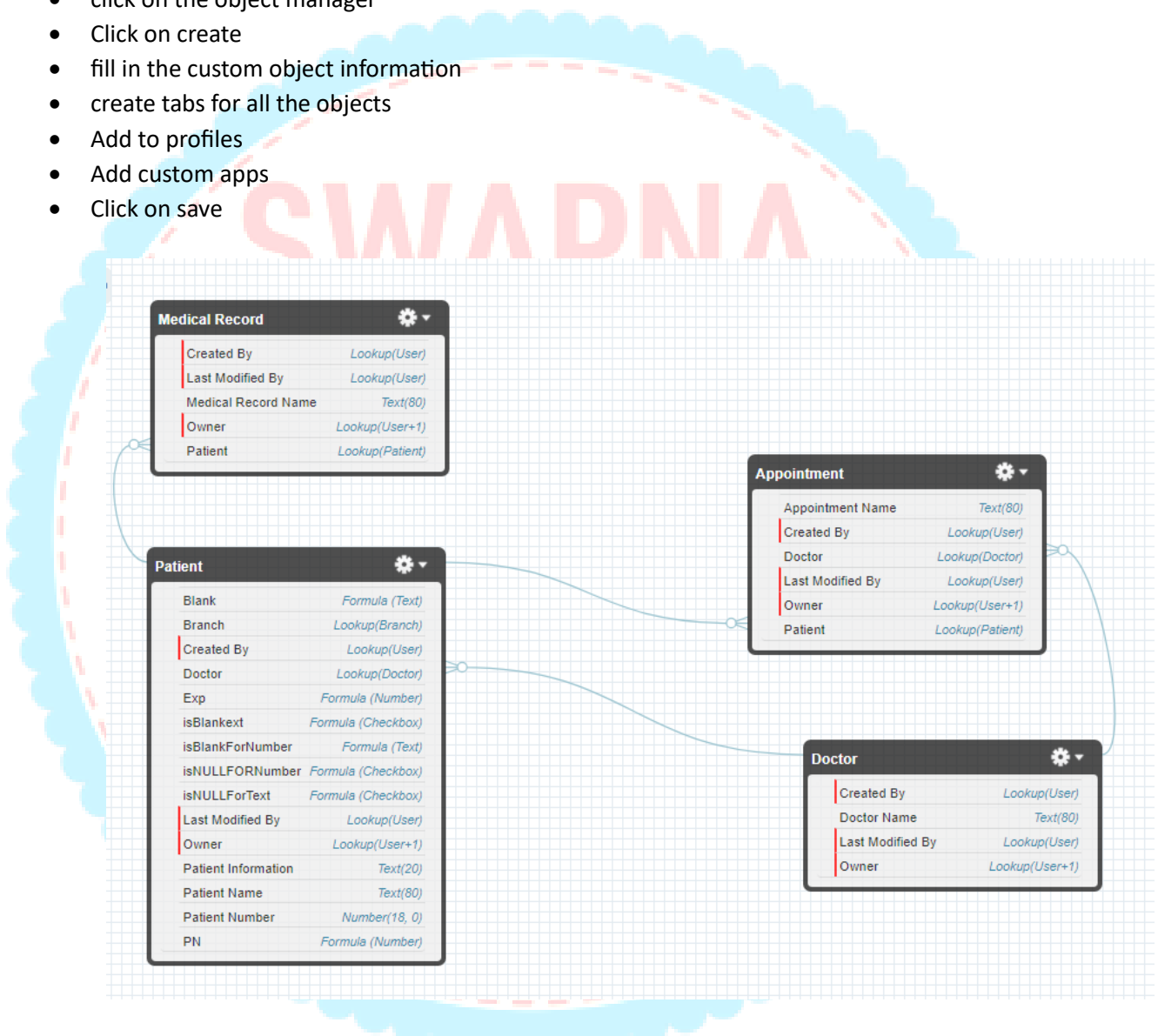
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- have created custom objects for the objects (Patient, Medical History, Appointment Details, Doctor and implemented relationships between them.
- Go to set up
- click on the object manager
- Click on create
- fill in the custom object information
- create tabs for all the objects
- Add to profiles
- Add custom apps
- Click on save



3.4. Create Custom Objects: Define essential custom objects like Patients, Appointments, Doctors, and Medical Records in Salesforce.

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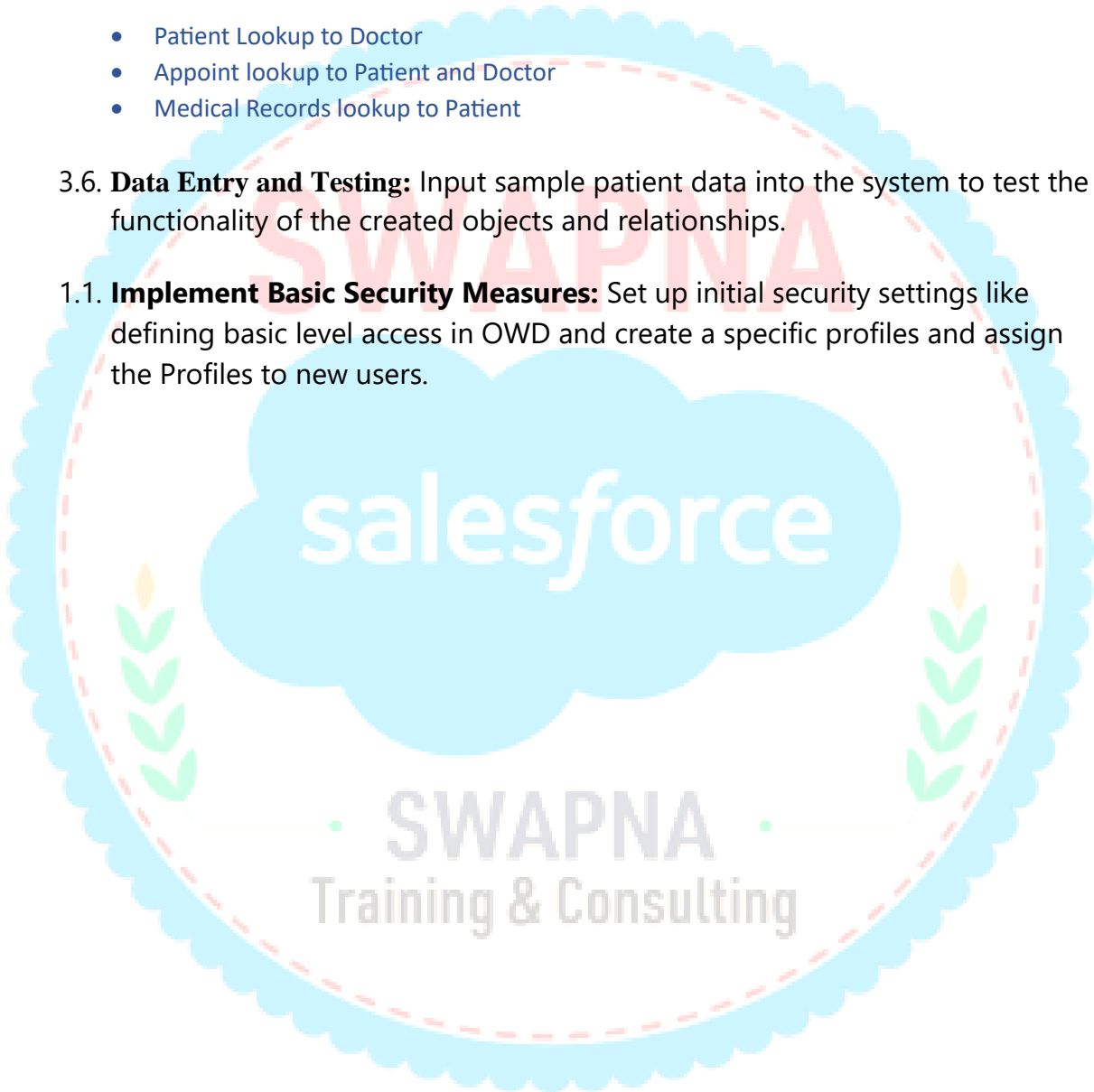
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3.5. **Establish Object Relationships:** Set up relationships between these custom objects (e.g., Patient-Appointment, Patient-Medical Records) to establish connections and data flow.

- Patient Lookup to Doctor
- Appoint lookup to Patient and Doctor
- Medical Records lookup to Patient

3.6. **Data Entry and Testing:** Input sample patient data into the system to test the functionality of the created objects and relationships.

1.1. **Implement Basic Security Measures:** Set up initial security settings like defining basic level access in OWD and create a specific profiles and assign the Profiles to new users.



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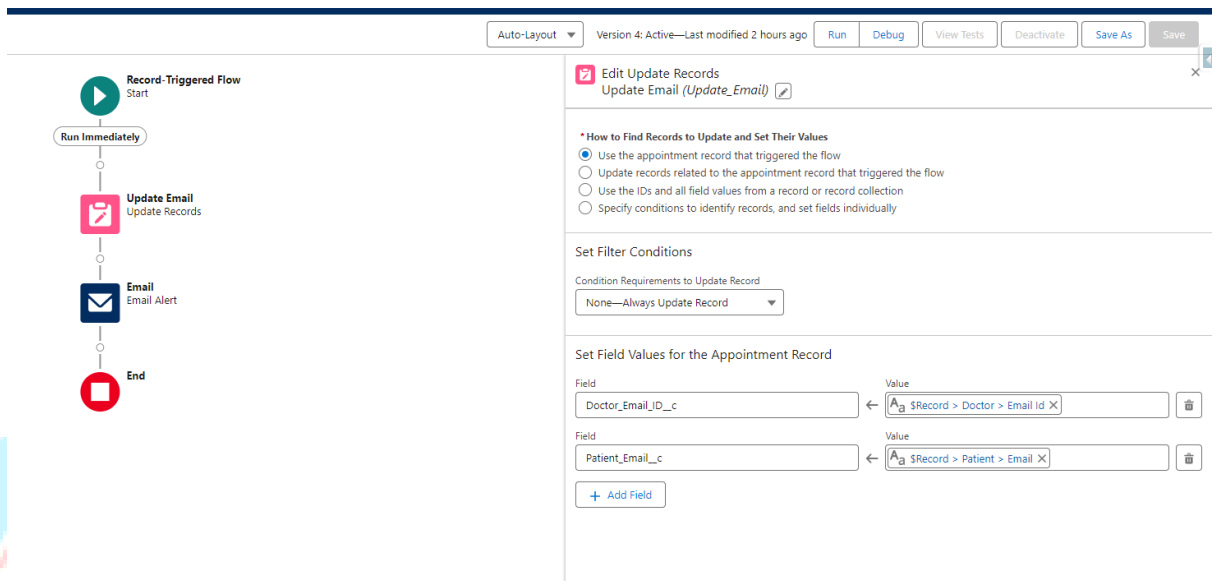
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SETUP Sharing Settings	
Appointment	Private
Async Operation Result	Public Read/Write
Back Sync	Public Read/Write
Book1	Public Read/Write
Branch	Public Read/Write
Branch	Public Read/Write
Candidate	Controlled by Parent
Change Bundle	Controlled by Parent
Change Bundle Install	Controlled by Parent
Change Submission	Controlled by Parent
Child Object	Controlled by Parent
Class	Public Read/Write
Customer	Public Read/Write
Deploy Component	Controlled by Parent
Deployment Result	Public Read/Write
Doctor	Private
Environment	Controlled by Parent
GParent Object	Private
Hidden Remote Change	Controlled by Parent
Hiring Manager	Private
LinkedIn Data	Public Read/Write
Medical Record	Private
Merge Result	Public Read/Write
Object Activity	Controlled by Parent
Parent Object	Public Read/Write
Patient	Private
Pipeline	Controlled by Parent
Pipeline Stage	Controlled by Parent
Position	Public Read/Write
Project	Public Read/Write

- 1.2. **Prototype Automated Notifications:** Set up basic automated notifications, such as appointment reminders or alerts for new appointments, using simple Flow

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2. Apex, SOQL, SOSL Questions

2.1. What is a recent APEX, SOQL, SOSL scenarios, you have worked on?

- I have worked on Trigger Logic to implement custom logic to execute while Performing insert, update, delete.
- I have worked on Batch Apex for processing large volume of records asynchronously.
- I have Developed Apex classes to integrate salesforce with external systems using the REST or SOAP APIs
- I have written SOQL queries to retrieve data from salesforce Objects based on specific criteria
- I have created dynamic search interfaces where users can input search terms for multiple objects simultaneously.
- I have implemented a Custom controller for Lightning Components.

2.2. What are the Functionalities you have worked in APEX, SOQL, and SOSL?

- I have worked on trigger logic to automate the business process
- I have worked on Batch Processing to process set of records asynchronously
- I have worked on Webservices logic

2.3. **Record Sharing Control:** Implementing Apex sharing rules for precise access control to patient records based on criteria.

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```
trigger Pateinttrigger on Patient__c (after insert,after update) {
    List<Patient__c> patientList= new List<Patient__c>();
    if(Trigger.isAfter &&(Trigger.isInsert||Trigger.isUpdate)){
        system.debug('test123 ---> '+Trigger.new);
        for(Patient__c pt:Trigger.new){
            system.debug('Doctor ---> '+pt.Doctor__c);
            if (pt.Doctor__c!=null){
                patientList.add(pt);
            }
        }
        system.debug('patientList.size() ---> '+patientList.size());
        if(patientList.size()>0){
            PatientShare.sharePatientRecord(patientList);
        }
    }
}
```

```
public class PatientShare {

    public static void sharePatientRecord(List<Patient__c> patientList){
        Map<Id,Id> patientDoctorIds= new Map<Id,Id>();
        Map<Id,Id> DoctorOwnerIds= new Map<Id,Id>();
        List<Patient__Share> patientshare= new List<Patient__Share>();
        for(Patient__c pt1:patientList){
            patientDoctorIds.put(pt1.Id,Pt1.Doctor__c);
        }

        List<Doctor__c> doctorList= [SELECT Id, Name, OwnerId FROM Doctor__c Where Id
        IN:patientDoctorIds.values()];
        for(Doctor__c dc:doctorList){
            DoctorOwnerIds.put(dc.Id,dc.OwnerId);
        }
        system.debug('Doctor Information---'+DoctorOwnerIds);
        system.debug('patientList---'+patientList);
        for(Patient__c pt:patientList){
            Patient__Share ptshare= new Patient__Share();
            ptshare.ParentId=pt.Id;
            ptshare.UserOrGroupId=DoctorOwnerIds.get(pt.Doctor__c);
            ptshare.AccessLevel='Edit';
            ptshare.RowCause=schema.AccountShare.Rowcause.Manual;
            patientshare.add(ptshare);
        }
    }
}
```

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```
        patientshare.add(ptshare);
    }
    system.debug('PatientShare.size---'+patientshare.size());
    system.debug('PatientShare.size---'+patientshare);
    if(patientshare.size()>0){
        Database.saveResult[] patientShareInsertResult=Database.Insert(patientshare,false);
    }
}
}
```

-
- or

```
public class Sharing_Patient_Object {
    Public Static void SharePatientRecords(){
        List<Patient__c> pts=[select id from Patient__c where Name='Naveen'];
        Patient__Share ptsshare= new Patient__Share();
        ptsshare.ParentId=pts[0].id;
        ptsshare.UserOrGroupId='0055i00000CXGe4AAH';
        ptsshare.AccessLevel='Read';
        insert ptsshare;
    }
}
```

calling Method:

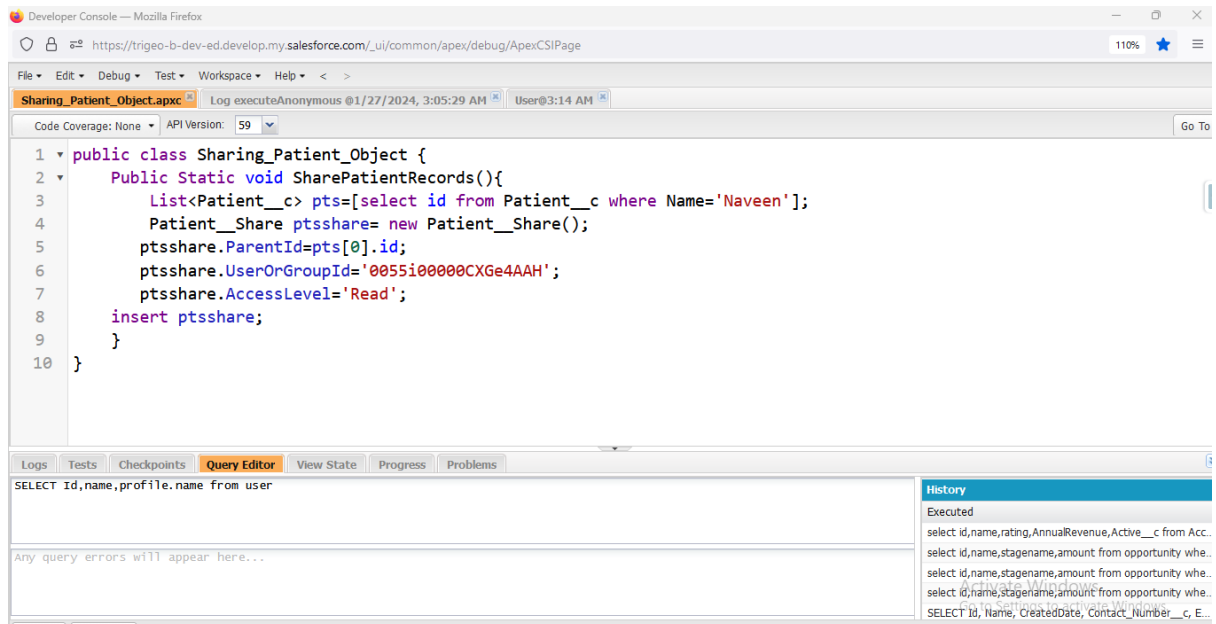
```
Sharing_Patient_Object.SharePatientRecords();
```

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2.4. Document Automation: Crafting Apex code to generate patient-related documents like medical reports using templates.

```
public class Email_TemplateHandlerr {

    // create Medical_Records

    public static void createMedicalrecords(){

        list<Medical_Records__c>medlist=new List<Medical_Records__c>();

        for(integer count=1; count<2; count++){

            Medical_Records__c med=new Medical_Records__c();

            med.Patient__Address__c='Hyderabad';

            med.Patient__Admit_Date__c=Date.today().addDays(-12);

            med.Patient__Discharge_Date__c=Date.today().addDays(+30);

            med.Patient__Name__c='priya';

            med.Email__c='sumahani09@gmail.com';

            medlist.add(med);

        }

    }

}
```

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```
if(!medlist.isEmpty()){  
    database.insert(medlist,false);  
    sendnotification(medlist);  
}  
}  
  
public static void sendnotification(list<Medical_Records__c> mdlist){  
    if(!mdlist.isEmpty()){  
        list<messaging.singleemailmessage> emailist=new  
        list<messaging.singleemailmessage>(); for(Medical_Records__c medrec:mdlist){  
            messaging.singleemailmessage email=new messaging.singleemailmessage(); //set to  
            address  
            string[] toaddress=new string[]{medrec.Email__c};  
            email.settoaddresses(toaddress);  
            // setreplyto  
            email.setreplyto('carepatient@gmail.com');  
            // sender displayname  
            email.setsenderdisplayname('careassociat');  
            // subject  
            string subject='Your Medical Reports are out Mr.';  
            email.setsubject(subject);  
            string Content='Dear,'+medrec.Patient_Name__c+'<br/><br/>'+  
            'Use this form to request medical information from your physician <br/><br/>'+ 'Your  
            Information:<br/><br/>'+  
            '<br/>Patient Name:' +medrec.Patient_Name__c+  
            '<br/>Patient AdmitDate:' +medrec.Patient_Admitt_Date__c+  
            '<br/>Patient Discharge Date:' +medrec.Patient_Discharge_Date__c+
```

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```
'<br/>Patient Email Id:' + medrec.Email__c +  
'<br/>*****this is System generated email*****'+  
  
'Thank you,<br/>' +  
'Care Hospital Team <br/>' +  
'DHO.';  
email.setHtmlbody(Content);  
messaging.emailfileattachment attach=new messaging.emailfileattachment();  
attach.setfilename(+medrec.Patient_Name__c+'.pdf');  
attach.setcontenttype('Application/pdf');  
attach.body=Blob.topdf(content);  
  
list<messaging.emailfileattachment> attachlist=new  
list<messaging.emailfileattachment>(); attachlist.add(attach);  
Email.setfileattachments(attachlist);  
emailList.add(email);  
}  
if(!emailList.isEmpty()){  
messaging.sendEmailResult[] result=messaging.sendEmail(emailList);  
}  
}  
}  
}
```

2.5. **Real-time Updates:** Creating triggers or processes to maintain data consistency with real-time updates.

Trigger code:

```
trigger medicalrecordsTrigger on Medical_Records__c (before insert, before update) {
```

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```
// Before Insert Or Before Update

if ((Trigger.isInsert || Trigger.isUpdate) && Trigger.isBefore) {

    for (Medical_Records__c mdrecords : Trigger.New) {

        if (mdrecords.Email__c == null || mdrecords.Email__c == '') {

            mdrecords.addError('Please Enter the Email Id.');
        } else if (mdrecords.Patient_Admit_Date__c == null) {

            mdrecords.addError('Please Enter the Admission Date.');
        } else if (mdrecords.Patient_Discharge_Date__c == null) {

            mdrecords.addError('Please Enter the Discharge Date');
        }

    }

}

}
```

3. Lightning Web Components Questions

3.1. What is a recent Lightning Web Components scenarios, you have worked on?

- In a recent Salesforce project, I encountered a scenario where we needed to enhance the user interface and improve the overall user experience by implementing dynamic and interactive components. The requirement was to create a custom dashboard that displayed real-time data and allowed users to perform actions without navigating between multiple pages

3.2. What are the Functionalities you have worked in Lightning Web Components?

- Component Creation ,Data Binding , Event Handling, Lightning Data Service, Navigation Service, Conditional Rendering, Lightning App Builder Integration

3.3. **Scenario 1: JS, CSS, HTML:** Make an HTML form that allows users to input their name, email address, and message. Use JavaScript to validate the user's input before submitting the form.

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```
<template>
  <Lightning-card title="Input user details">
    <div>
      Name : {name}
      Email : {email}
      Message : {message}
    </div>
    <div>
      <lightning-input label="Name" value={name}
onchange={handleNameChange}>

      </lightning-input>
      <lightning-input label="Email Address" value={email}
onchange={handleEmailChange}></lightning-input>
      <lightning-input label="Message" value={message}
onchange={handleMessageChange}>
      </lightning-input>
    </div>
    <div>
      <Lightning-button label="Submit"
onclick={handleSubmit}></Lightning-button>
    </div>
  </Lightning-card>
</template>
```

```
import { LightningElement, track } from 'lwc';
import { ShowToastEvent } from
'lightning/platformShowToastEvent';

export default class User_input extends LightningElement {
  @track name;
  @track email;
  @track message;

  handleNameChange(event) {
    this.name = event.target.value;
  }

  handleEmailChange(event) {
    this.email = event.target.value;
  }

  handleMessageChange(event) {
    this.message = event.target.value;
  }

  handleSubmit() {
```

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```
    alert('i am inside handle submit');

    // Simple validation example (you can enhance this based
on your requirements)
    if (this.name.trim() === '' || this.email.trim() === ''
|| this.message.trim() === '') {
        this.showToast('Error', 'Please fill in all fields',
'error');
        alert('i am inside handle submit if condition');
    } else if (!this.isValidEmail(this.email)) {
        this.showToast('Error', 'Please enter a valid email
address', 'error');
        alert('i am inside handle submit else if condition');
    } else {
        // If all validations pass, you can submit the form
or perform further actions
        // For now, let's just log the data to the console
        alert('i am inside handle submit else condition');
        console.log('Name:', this.name);
        console.log('Email:', this.email);
        console.log('Message:', this.message);

        // You can replace the console.log with your form
submission logic
        this.showToast('Success', 'Form submitted
successfully', 'success');
        this.resetForm();
    }
}

isValidEmail(email) {
    // Basic email validation regex (you can use a more
sophisticated one)
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return emailRegex.test(email);
}

showToast(title, message, variant) {
    const event = new ShowToastEvent({
        title: title,
        message: message,
        variant: variant
    });
    this.dispatchEvent(event);
}

resetForm() {
    // Reset the form fields
```

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```
    this.name = '';  
    this.email = '';  
    this.message = '';  
  }  
}
```

•

or

• **HTML CODE:**

```
○ <template>  
○ <lightning-card title="lwc_emailAddress">  
○ <div class="container">  
○ <h2>Input an email address, name, and message</h2>  
○ <form onsubmit={handleSubmit}>  
○ <ul>  
○ <li>  
○ <lightning-input type="text" name="text1" label="Email" value={email}  
  onchange={handleEmailChange}></lightning-input>  
○ <div class={resultStyle} if:true={showResult}>  
○ {emailValidationResult}  
○ </div>  
○ </li>  
○ <li>  
○ <lightning-input type="text" name="text2" label="Name" value={name}  
  onchange={handleNameChange}></lightning-input>  
○ <div class={resultStyle} if:true={showResult}>  
○ {nameValidationResult}  
○ </div>  
○ </li>  
○ <li>  
○ <lightning-textarea label="Message" value={message}  
  nchange={handleMessageChange}></lightning-textarea> <div class={resultStyle}  
  if:true={showResult}>  
○ {messageValidationResult}  
○ </div>  
○ </li>  
○ </ul>  
○ <lightning-button type="submit" label="Submit"></lightning-button>  
○ </form>  
○ </div>  
○ </lightning-card>  
○ </template>
```

• **Javascript code:**

```
○ import { LightningElement, track } from 'lwc';  
○ export default class Lwc_Scenario extends LightningElement {  
○   @track email = '';  
○   @track name = '';
```

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```
○ @track message = "";
○ @track emailValidationResult = "";
○ @track nameValidationResult = "";
○ @track messageValidationResult = "";
○ @track showResult = false;
○ @track resultStyle = "";
○ handleEmailChange(event) {
○   this.email = event.target.value;
○   this.validateEmail();
○ }
○ handleNameChange(event) {
○   this.name = event.target.value;
○   this.validateName();
○ }
○ handleMessageChange(event) {
○   this.message = event.target.value;
○   this.validateMessage();
○ }
○ validateEmail() {
○   const emailRegex = /^[a-zA-Z0-9.!#$%&'*/=?^_`{}~]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)$/;
○   if (this.email.match(emailRegex)) {
○     this.emailValidationResult = 'Valid email address!';
○     this.resultStyle = 'validate';
○   } else {
○     this.emailValidationResult = 'Invalid email address!';
○     this.resultStyle = 'rq';
○   }
○   this.showResult = true;
○ }
○ validateName() {
○   // Allow only letters and spaces
○   const nameRegex = /^[a-zA-Z\s]*$/;
○   if (this.name.match(nameRegex)) {
○     this.nameValidationResult = 'Valid name!';
○     this.resultStyle = 'validate';
○   } else {
○     this.nameValidationResult = 'Invalid name!';
○     this.resultStyle = 'rq';
○   }
○   this.showResult = true;
○ }
○ validateMessage() {
○   // const messageRegex =
○
○   /^[w\!"#$%&'()*+,-
○
○   ./;:<=>?@[\\^_`{}~]{1,20}$/; //
```

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```
console.log(this.message.match(
messageRegex));
```

```
○ if (this.message.length > 20) {
○ this.messageValidationResult =
'Message should not exceed 20
characters!'; this.resultStyle = 'rq';
○ } else {
○ this.messageValidationResult = "";
○ this.resultStyle = 'validate';
○ }
○ this.showResult = true;
○ }
○ handleSubmit(event) {
○ event.preventDefault(); // Prevents the default form submission behavior
○ // Check if any validation
failed before performing
form submission if
(this.resultStyle === 'rq') {
○ // Handle the case where there are validation errors
○ alert("Validation failed. Please
correct the errors before
submitting."); return;
○ }
○ // Proceed with form submission logic
○ console.log(this.name);
○ console.log(this.email);
○ console.log(this.message);
○ }
○ }
```

- **CSS CODE:**

```
○ .container {
○   ■ margin: auto;
○   ■ padding: 10px;
○   ■ max-width: 300px;
○   ■ background: rgb(206, 223, 223);
○   ■ border: 3px solid rgb(14, 5, 5);
○ }
○ .container h2 {
○   ■ margin-left: 35px;
○   ■ color: white;
```

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```

    ■ color: #333;
  ○ }
  ○ input {
    ■ font-size: 40pt;
  ○ }
  ○ input:focus, textarea:focus {
    ■ background-color: lightyellow;
  ○ }

```

```

  ○ .validate {
    ■ color: rgb(10, 10, 4);
    ■ font-size: 12pt;
  ○ }
  ○ .rq {
    ■ color: #ff0000;
    ■ font-size: 10pt;
  ○ }

```

```

  ○ form {
    ■ margin-top: 20px;
  ○ }
  ○ ul {
    ■ list-style-type: none;
    ■ padding: 0;
  ○ }
  ○ li {
    ■ margin-bottom: 20px;
  ○ }

```

```

  ○ lightning-input, lightning-textarea {
    ■ width: 70%;
  ○ }
  ○ .result-container {
    ■ margin-top: 10px;
  ○ }

```

```

  ○ METAXML CODE:
  ○ <?xml version="1.0" encoding="UTF-8"?>
  ○ <LightningComponentBundle
    xmlns="http://soap.sforce.com/2006/04/
    metadata">
    <apiVersion>59.0</apiVersion>

    <isExposed>true</isExposed>
    <targets>
    <target>lightning__AppPage</target>

```

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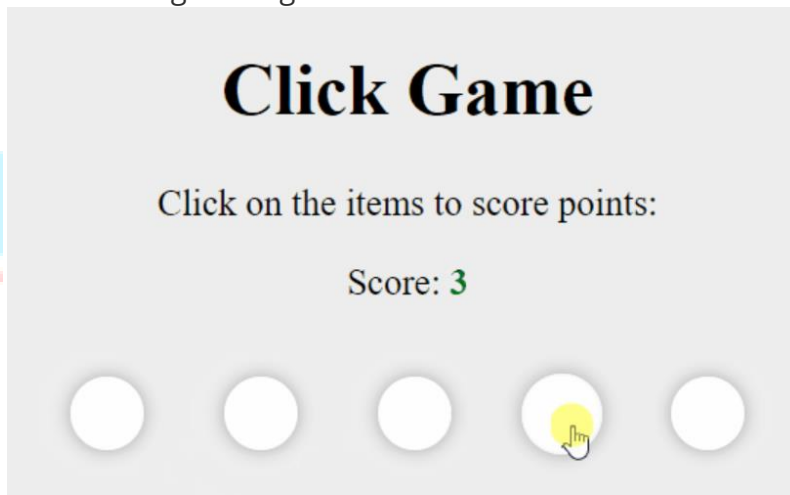
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- <target>lightning__HomePage</target>
- <target>lightning__RecordPage</target>
- </targets>
- </LightningComponentBundle>

3.4. Scenario 2: JS, CSS, HTML: Create a simple JavaScript game that allows the user to click on different elements on the page to score points with JavaScript to handle the game logic.



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Click the Elements Game</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      background-color: #f4f4f4;
    }

    .game-element {
      width: 50px;
      height: 50px;
      background-color: #3498db;
      color: #fff;
      display: inline-block;
```

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```
        margin: 10px;
        padding: 10px;
        cursor: pointer;
        border-radius: 5px;
    }

    #score {
        font-size: 24px;
        margin-top: 20px;
    }
</style>
</head>
<body>

<div id="score">Score: 0</div>

<script>
    let score = 0;

    // Function to create a random game element
    function createGameElement() {
        const element = document.createElement('div');
        element.className = 'game-element';
        element.innerText = '+1';
        element.style.left = `${Math.random() *
(window.innerWidth - 70)}px`;
        element.style.top = `${Math.random() *
(window.innerHeight - 70)}px`;
        element.addEventListener('click', handleElementClick);
        document.body.appendChild(element);
    }

    // Function to handle element click
    function handleElementClick(event) {
        score += 1;
        updateScore();
        event.target.remove();
        createGameElement();
    }

    // Function to update the score display
    function updateScore() {
        document.getElementById('score').innerText = `Score:
${score}`;
    }
</script>
```

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```
// Create initial game elements
for (let i = 0; i < 5; i++) {
  createGameElement();
}
</script>

</body>
</html>
```

```
<html>
<head>
<title>Click Game</title>
<style>
/* Main styles */
body {
  background-color: #eee;
  text-align: center;
}

h1 {
  margin-top: 50px;
  font-size: 40px;
}

p {
  font-size: 20px;
  margin-top: 20px;
}

.score {
  font-weight: bold;
  color: green;
}

.item {
  display: inline-block;
  margin: 20px;
  padding: 20px;
  background-color: #fff;
```

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```
border-radius: 50%;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.3);
cursor: pointer;
transition: transform 0.3s ease;
}

.item:hover {
  transform: scale(1.1);
}
</style>
</head>
<body>
  <h1>Click Game</h1>
  <p>Click on the items to score points:</p>
  <p>Score: <span class="score">0</span></p>
  <div id="game">
    <div class="item"></div>
    <div class="item"></div>
    <div class="item"></div>
    <div class="item"></div>
    <div class="item"></div>
  </div>
  <script>
    // Get the game element and the score element
    const game = document.getElementById("game");
    const scoreEl = document.querySelector(".score");

    // Initialize the score to 0
    let score = 0;

    // Add a click event listener to each item
    game.addEventListener("click", (event) => {
      // Check if the clicked element is an item
      if (event.target.classList.contains("item")) {
        // Increase the score by 1
        score += 1;
        scoreEl.textContent = score;

        // Remove the item from the game
        event.target.remove();
      }
    });
  </script>
</body>
</html>
```

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```
// Add a new item to the game
const newItem = document.createElement("div");
newItem.classList.add("item");
game.appendChild(newItem);
}
});
</script>
</body>
</html>
```

3.5. **Scenario 3: HTML, CSS:** Using HTML, CSS create an animated underline effect when the user hovers over the text.

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Animated Underline Effect</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
    }

    .underline-effect {
      position: relative;
      display: inline-block;
      font-size: 24px;
      text-decoration: none;
      color: #333;
      transition: color 0.3s ease-in-out;
    }
  </style>
```

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```
.underline-effect:hover {  
  color: #4caf50;  
}  
  
.underline-effect::before {  
  content: '';  
  position: absolute;  
  width: 100%;  
  height: 2px;  
  bottom: 0;  
  left: 0;  
  background-color: #4caf50;  
  visibility: hidden;  
  transform: scaleX(0);  
  transition: all 0.3s ease-in-out 0s;  
}  
  
.underline-effect:hover::before {  
  visibility: visible;  
  transform: scaleX(1);  
}  
  
</style>  
</head>  
<body>  
  
<a href="#" class="underline-effect">Hover Me</a>  
  
</body>  
</html>
```

4. Integration Questions

4.1. What are recent Integration scenarios, you have worked on?

In a recent Salesforce project, I was tasked with integrating Salesforce with SAP to streamline the order fulfillment process. The objective was to ensure a seamless flow of data between the two systems, allowing sales teams to

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initiate and track orders in Salesforce while leveraging SAP's capabilities for efficient order processing and fulfillment.

- Order Creation and Updates:
 - Sales representatives needed the ability to create new orders in Salesforce, and these orders had to be seamlessly transmitted to SAP for further processing. Additionally, any updates or changes made to orders in Salesforce needed to reflect in SAP in real-time.
- Inventory and Product Information Sync:
 - Ensured that Salesforce had real-time access to SAP's inventory data and product information. This involved syncing product details, pricing, and availability between the two systems to provide accurate and up-to-date information to users.
- Status Tracking:
 - Implemented a mechanism for tracking order statuses throughout the fulfillment process. This allowed users in Salesforce to view the current status of orders, whether they were pending, in progress, or completed, based on real-time updates from SAP.

4.2. What are the Functionalities you have worked in Integration?

- Data Synchronization, Real-Time Event Handling, RESTful and SOAP API Integration, Middleware Integration, Authentication and Authorization

4.3. What are the differences between Remote site settings and Named credentials?

- Remote Site Settings control which external domains are accessible from Apex code or Visualforce pages and are focused on security at the domain level.
- Named Credentials store and manage authentication details for external services and provide a more secure and centralized way to handle authentication, reducing the risk associated with embedding sensitive information in code.

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