**Customer Community Login:**

<https://customerloginvk-developer-edition.na35.force.com/s/login/>

User Name: customerusr@yahoo.com

Password: salesforce123

*1. Do you consider yourself proficient with Salesforce Communities and custom web development in addition to the core Salesforce CRM?*

**My answer: Yes**

Submit a written response to these technical questions:

1.

1. You run the following query

2.

account RecordType2 = [Select RecordType.DeveloperName,Id FROM Account WHERE Id=:currentUser.AccountId].RecordType.DeveloperName;

and it returns

System.QueryException: List has no rows for assignment to SObject

What is causing the error and how might you fix it?

**My answer:**

This error is causing because of null results returned by SOQL query. ie. query returning zero records

and additionally we are extracting RecordType.DeveloperName from null.

It is not a best practice.

**Instead of that we need to use collections,**

List<account> listAccount = new List<account>([Select RecordType.DeveloperName,Id FROM Account WHERE Id=:currentUser.AccountId]);

string RecordType2;

if(listAccount.size() > 0){

RecordType2 = listAccount[0].RecordType.DeveloperName;

}

**//Even though, above code is not workable and below is workable code snippet**

List<RecordType> lstAccRTs = new List<RecordType>([SELECT Id,Name FROM RecordType WHERE SobjectType='Account' LIMIT 1]);

RecordType accRecType;

if(lstAccRTs.size() > 0){

accRecType= lstAccRTs[0];

//Code follows

}

2.

a. What is the whatAmIDoing method doing?

public static bool whatAmIDoing(string str)

{

int i = 0;

for( int i=0; i<str.Length;i++ )

{

if (str[i] != str[str.Length-i-1])

return false;

}

return true;

}

**My answer:**

Above code snippet is for checking input string is palindrome or not.  
And it is in C++/Java, not Salesforce Apex code.

**Palindrome** is a string which when read in both forward and backward way is **same**.

**Apex Code:**

public static boolean whatAmIDoing(string str)

{

for( integer i=0; i<str.Length();i++ )

{

if (str.charAt(i) != str.charAt(str.Length()-i-1))

return false;

}

return true;

}

b. How might you optimize this code?

**My answer:**

public static boolean whatAmIDoing(string str)

{

if(str != str.reverse())

return false;

else

return true;

}

3. What are the advantages/disadvantages of using a List of Maps vs. concrete classes as the View Model components in a Salesforce Community or web site?

**My answer:**

List of Maps is collection of Map collection, which holds key – values pairs and concrete classes are used blue print for our business logic. We can customize our class as per demanding logic and can easily integrate with view model in MVC. Both are used in controller of MVC architecture. When we dealing with SOQL queries, we should go with List/Map collections for holding resultant data and this data will map with class variables and integration to visualforce page.