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Domains wise Quiz Performance Report

No	1
Domain	Connect to and Consume Azure Services and Third Party Services
Total Question	3
Correct	3
Incorrect	0
Unattempted	0
Marked for review	0

No	2
Domain	Develop Azure Infrastructure as a Service Compute Solutions
Total Question	2
Correct	2
Incorrect	0
Unattempted	0
Marked for review	0
No	3
Domain	Develop for Azure Storage
Total Question	5
Correct	5
Incorrect	0
Unattempted	0
Marked for review	0
No	4
Domain	Develop Azure Platform as a Service Compute Solutions
Total Question	3
Correct	3
Incorrect	0
Unattempted	0
Marked for review	0
No	5
Domain	Monitor, troubleshoot, and optimize Azure solutions
Total Question	2
Correct	2
Incorrect	0
Unattempted	0
Marked for review	0
Total	Total
All Domain	All Domain
Total Question	15
Correct	15
Incorrect	0
Unattempted	0
Marked for review	0

Review the Answers

Sorting by

All

## Question 1

Correct

## Domain :Connect to and Consume Azure Services and Third Party Services

A team has created an Index in the Azure Search service. You have to upload data into the Index.

You propose the following steps to carry out from your .Net program

Create a SearchServiceClient object to connect to the search index.

Create a DataContainer that contains the documents which must be added.

Create a DataSource instance and set its Container property to the DataContainer.

Set the DataSource property of the SearchServiceClient

Does the list of steps fulfil the requirement?

A. Yes

✓ B. No 

**Explanation:**

Answer – B

The correct list of steps is given below as per an example from the Microsoft documentation

In order to push documents into your index using the .NET SDK, you will need to:

1. Create a `SearchIndexClient` object to connect to your search index.
2. Create an `IndexBatch` containing the documents to be added, modified, or deleted.
3. Call the `Documents.Index` method of your `SearchIndexClient` to send the `IndexBatch` to your search index.

For an example on the steps for importing data, one can go to the below link

<https://docs.microsoft.com/en-us/azure/search/search-import-data-dotnet>

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## Question 2

Correct

## Domain :Connect to and Consume Azure Services and Third Party Services

A team has created an Index in the Azure Search service. You have to upload data into the Index.


You propose the following steps to carry out from your .Net program

Create a `SearchIndexClient` object to connect to the search index

Create an `IndexBatch` that contains the documents which must be added.

Call the `Documents.Index` method of the `SearchIndexClient` and pass the `IndexBatch`.

Does the list of steps fulfil the requirement?

- ✓ A. Yes 
- B. No

---

### Explanation:

Answer – A

Yes, this is the correct list of steps as shown below from the Microsoft documentation

In order to push documents into your index using the .NET SDK, you will need to:

1. Create a `SearchIndexClient` object to connect to your search index.
2. Create an `IndexBatch` containing the documents to be added, modified, or deleted.
3. Call the `Documents.Index` method of your `SearchIndexClient` to send the `IndexBatch` to your search index.

For an example on the steps for importing data, one can go to the below link

<https://docs.microsoft.com/en-us/azure/search/search-import-data-dotnet>

---

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Question 3

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A team has created an Index in the Azure Search service. You have to upload data into the Index.

You propose the following steps to carry out from your .Net program

Create a `SearchIndexClient` object to connect to the search index.

Create a `DataContainer` that contains the documents which must be added.

Create a `DataSource` instance and set its `Container` property to the `DataContainer`

Call the `Documents.Search` method of the `SearchIndexClient` and pass the `DataSource`.

Does the list of steps fulfil the requirement?

A. Yes

✓ B. No 

---

**Explanation:**

Answer – B

The correct list of steps is given below as per an example from the Microsoft documentation

In order to push documents into your index using the .NET SDK, you will need to:

1. Create a `SearchIndexClient` object to connect to your search index.
2. Create an `IndexBatch` containing the documents to be added, modified, or deleted.
3. Call the `Documents.Index` method of your `SearchIndexClient` to send the `IndexBatch` to your search index.

For an example on the steps for importing data, one can go to the below link

<https://docs.microsoft.com/en-us/azure/search/search-import-data-dotnet>

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**Question 4**

Correct

**Domain :Develop Azure Infrastructure as a Service Compute Solutions**

A team is developing container-based applications that need to be deployed to a Kubernetes cluster in Azure. You have to create the cluster and ensure the services are running as desired. Which of the following commands would you execute? Choose 4 answers from the options given below

- ✓ A. `az aks create` 
- ✓ B. `az group create` 
- ✓ C. `kubectl apply` 
- D. `az appservice plan create`
- ✓ E. `az aks get-credentials` 

**Explanation:**

Answer – A, B, C and E

An example of the steps which need to be followed are given below

The first command is used to create a resource group in Azure. An example is given below

```
PS Azure:\> az group create --name whizlabs-rg-new --location eastus
{
  "id": "/subscriptions/baaa99b3-1d19-4c5e-90e1-39d55de5fc6e/resourceGroups/whizlabs-rg-new",
  "location": "eastus",
  "managedBy": null,
  "name": "whizlabs-rg-new",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": null
}
```

The next command is used to create the kubernetes cluster. An example is given below

```
PS Azure:\> az aks create --resource-group whizlabs-rg-new --name whizlabsclusternew --node-count 2 --enable-addons monitoring --generate-ssh-keys
SSH key files '/home/dcd421e6-6d39-4827-90dc-e641bbe7/.ssh/id_rsa' and '/home/dcd421e6-6d39-4827-90dc-e641bbe7/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow SSH access to the VM. If using machines without permanent storage like Azure Cloud Shell without an attached file share, back up your keys to a safe location
Finished service principal creation[#####] 100.0000%
```

Next you need to merge the Kubernetes cluster credentials. An example is given below

```
PS Azure:\> az aks get-credentials --resource-group whizlabs-rg-new --name whizlabsclusternew
Merged "whizlabsclusternew" as current context in /home/dcd421e6-6d39-4827-90dc-e641bbe7/.kube/config
Azure:/
PS Azure:\> |
```

And then finally you can use "kubectl apply" to deploy your application onto the cluster

Option D is incorrect since we don't need an App service plan for a Kubernetes cluster.

For more information on using the Azure CLI to work with Kubernetes clusters, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

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## Question 5

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";

    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot1?

A. TableOperation

- ✓ B. TableBatchOperation ✓
- C. TableEntity
- D. TableQuery

**Explanation:**

Answer – B

Since this is a batch operation, we have to use the TableBatchOperation Type. An example is also given in the Microsoft documentation

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using table storage with .Net, one can go to the below link



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## Question 6

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";

    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot2?

A. TableOperation

- ✓ B. TableBatchOperation ✓
- C. TableEntity
- D. TableQuery

---

**Explanation:**

Answer – B

Since this is a batch operation, we have to use the TableBatchOperation Type. An example is also given in the Microsoft documentation

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using table storage with .Net, one can go to the below link

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## Question 7

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";


    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot3?

- ✓ A. **ExecuteBatch** 
- B. Execute
- C. Insert
- D. InsertOrMerge

---

**Explanation:**

Answer – A

We have to use the ExecuteBatch method to Execute the Insertion of the Batch of records. An example is also given in the Microsoft documentation

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using table storage with .Net, one can go to the below link

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet>

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### Question 8

Correct

#### Domain :Develop Azure Platform as a Service Compute Solutions

Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named `www.whizlabs.com`. The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

#### Variable name

#### Description

#### WhizlabsAppName

Name of the application

#### Location

Location of the resource

#### dockerHubContainerPath

Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to create the App Service plan?



- A. `az appservice plan create --name whizlabsplan --resource-group whizlabs-rg`
- ✓ B. `az appservice plan create --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1` ✓
- C. `az appservice plan set --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1`
- D. `az appservice plan docker create --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1`

#### Explanation:

Answer – B

An example of this is given in the Microsoft documentation

## Sample script

Azure CLI  

```
#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

Since this is clearly given in the documentation, all other options are incorrect

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 9

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named `www.whizlabs.com`.

The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

**Variable name****Description****WhizlabsAppName**

Name of the application

**Location**

Location of the resource

**dockerHubContainerPath**

Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to create the Web App?

- ✓ A. `az webapp create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg` ✓
- B. `az webapp set--name $AppName --plan whizlabsplan --resource-group whizlabs-rg`
- C. `az docker create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg`
- D. `az docker image create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg`

**Explanation:**

Answer - A

An example of this is given in the Microsoft documentation

# Sample script

```
Azure CLI Copy Try It

#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

Since this is clearly given in the documentation, all other options are incorrect

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 10

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named www.whizlabs.com.



The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

**Variable name****Description****WhizlabsAppName**

Name of the application

**Location**


Location of the resource

**dockerHubContainerPath**

Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to configure the Web App?

- ✓ A. `az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg` 
- B. `az docker config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`
- C. `az kubernetes config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`
- D. `az kubectl config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`

**Explanation:**

Answer - A

An example of this is given in the Microsoft documentation

# Sample script

Azure CLI Copy Try It

```
#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

Since this is clearly given in the documentation, all other options are incorrect

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 11

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A development team is developing an application. The application will be working with customer data. The application will also be making use of Azure Redis Cache. You need to invalidate the cache when the customer data is changed.

You have to complete the below code to comply with the requirement

```
void clearCustomerCache(string p_Customer)
{
    //Establish the cache connection
    Slot1
    //Invalidate the cache
    Slot2
}
```

Which of the following will go into Slot1?

- ✓ A. `IDatabase cache=Connection.GetDatabase();` ✓
- B. `IDatabase cache=Connection.GetCache();`
- C. `ICache cache=Connection.GetDatabase();`
- D. `ICache cache=Connection.GetCache();`

### Explanation:

Answer – A

The right way is to use the IDatabase interface. Also you need to use the GetDatabase() method. This is also mentioned in the Microsoft documentation.

```
static void Main(string[] args)
{
    // Connection refers to a property that returns a ConnectionMultiplexer
    // as shown in the previous example.
    IDatabase cache = lazyConnection.Value.GetDatabase();
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on an example on how to work with Azure Redis from .Net, one can go to the below link

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

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## Question 12

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A development team is developing an application. The application will be working with customer data. The application will also be making use of Azure Redis Cache. You need to invalidate the cache when the customer data is changed.

You have to complete the below code to comply with the requirement

```
void clearCustomerCache(string p_Customer)
{
    //Establish the cache connection
    Slot1
    //Invalidate the cache
    Slot2
}
```

Which of the following will go into Slot2?

- ✓ A. `cache.KeyDelete(p_Customer);` ✓
- B. `cache.ValueDelete(p_Customer);`
- C. `cache.StringGet(p_Customer);`
- D. `cache.StringSet(p_Customer);`

**Explanation:**

Answer – A

Since you have to invalidate the cache, you have to delete the Key itself

Option B is incorrect since you need to work with keys and not the values

Option C is incorrect this is used to get the string value

Option D is incorrect this is used to set the string value

For more information on an example on how to work with Azure Redis from .Net, one can go to the below link

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

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### Question 13

Correct

Domain :Develop for Azure Storage

A development team is developing an application that works with Azure Table storage.

Below is the table structure

Column
FirstName
Partition Key
LastName
RowKey
Email
Property

Below are some of the rows in the table

Search	Query + Add Edit Select All More
▶ BLOB CONTAINERS	
▶ FILE SHARES	
▶ QUEUES	
▶ TABLES	
▶ Customer	

PARTITIONKEY	ROWKEY	TIMESTAMP	EMAIL
James	Smith	2019-03-06T10:39:17.263Z	Smith@whizlabs.com
John	Smith	2019-03-06T10:29:18.0667815Z	Smith@whizlabs.com
Mark	Carter	2019-03-06T10:29:34.843Z	Mark@whizlabs.com

You have the following code statement from a C# program


```
TableQuery<CustomerEntity> rangeQuery = new TableQuery<CustomerEntity>().Where(  
    TableQuery.CombineFilters(  
        TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "James"),  
        TableOperators.And,  
        TableQuery.GenerateFilterCondition("RowKey", QueryComparisons.Equal, "Smith@whizlabs.com")));
```

Would this return all the entities where the RowKey is Smith@whizlabs.com?

A. Yes

✓ B. No **Explanation:****Answer – B**

Here since we have the AND operator, we need both of the conditions to be fulfilled.

```
TableQuery<CustomerEntity> rangeQuery = new TableQuery<CustomerEntity>().Where(  
    TableQuery.CombineFilters(  
        TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "James"),  
        TableOperators.And, ,  
        TableQuery.GenerateFilterCondition("RowKey", QueryComparisons.Equal, "Smith@whizlabs.com")));
```

And this is not fulfilled with the following row

Search

BLOB CONTAINERS

FILE SHARES

QUEUES

TABLES

Customer

Query

Add

Edit

Select All

More

PARTITIONKEY	ROWKEY	TIMESTAMP	EMAIL
James	Smith	2019-03-06T10:39:17.263Z	Smith@whizlabs.com
John	Smith	2019-03-06T10:29:18.0667815Z	Smith@whizlabs.com
Mark	Carter	2019-03-06T10:29:34.843Z	Mark@whizlabs.com

For more information on accessing table storage from .Net, one can go to the below link

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet>

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**Question 14****Correct****Domain :Develop for Azure Storage**

A development team is developing an application that works with Azure Table storage.


Below is the table structure

Column
FirstName
Partition Key
LastName
RowKey
Email
Property

Below are some of the rows in the table


Search

▶




BLOB CONTAINERS

▶




FILE SHARES

▶




QUEUES


▲





TABLES





Customer

 Query

 Add

 Edit

 Select All

 More

PARTITIONKEY	ROWKEY	TIMESTAMP	EMAIL
James	Smith	2019-03-06T10:39:17.263Z	Smith@whizlabs.com
John	Smith	2019-03-06T10:29:18.0667815Z	Smith@whizlabs.com
Mark	Carter	2019-03-06T10:29:34.843Z	Mark@whizlabs.com

Is the below.Net Code query

```
TableQuery<CustomerEntity> rangeQuery = new TableQuery<CustomerEntity>().Where(
    TableQuery.CombineFilters(
        TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "James"),
        TableOperators.And,
        TableQuery.GenerateFilterCondition("RowKey", QueryComparisons.Equal, "Smith")));
```

Same as executing the below REST API call along with a valid Shared Access Signature

[https://whizlabsstore.table.core.windows.net/Customer\(PartitionKey='James',RowKey='Smith'\)](https://whizlabsstore.table.core.windows.net/Customer(PartitionKey='James',RowKey='Smith'))




✓ A. Yes ☒




B. No




### Explanation:




Answer – A

Yes, this is the same. Below is an example of the request sent from a POSTMAN tool. Here you can see the valid output of the entity.

https://whizlabsstore.   

No Environment   

GET  https://whizlabsstore.table.core.windows.net/Customers(PartitionKey='James',RowKey='Sm... Params  

Pretty Raw Preview XML   

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <entry xml:base="https://whizlabsstore.table.core.windows.net/" xmlns="http://www.w3.org/2005/Atom" xmlns:d="http://schemas
  .microsoft.com/ado/2007/08/dataservices" xmlns:m="http://schemas.microsoft.com/ado/2007/08/dataservices/metadata" xmlns:georss
  ="http://www.georss.org/georss" xmlns:gml="http://www.opengis.net/gml" m:etag="W/&quot;datetime'2019-03-06T10%3A39%3A17
  .2634184Z'&quot;">
3   <id>https://whizlabsstore.table.core.windows.net/Customers(PartitionKey='James',RowKey='Smith')</id>
4   <category term="whizlabsstore.Customer" scheme="http://schemas.microsoft.com/ado/2007/08/dataservices/scheme" />
5   <link rel="edit" title="Customer" href="Customers(PartitionKey='James',RowKey='Smith')"/>
6   <title />
7   <updated>2019-03-06T10:50:34Z</updated>
8   <author>
9     <name />
10  </author>
11  <content type="application/xml">
12    <m:properties>
13      <d:PartitionKey>James</d:PartitionKey>
14      <d:RowKey>Smith</d:RowKey>
15      <d:Timestamp m:type="Edm.DateTime">2019-03-06T10:39:17.2634184Z</d:Timestamp>
16      <d:Email>Smith@whizlabs.com</d:Email>
17    </m:properties>
18  </content>
19 </entry>

```

For more information on accessing table storage from REST API, one can go to the below link

<https://docs.microsoft.com/en-us/rest/api/storageservices/querying-tables-and-entities>

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Question 15

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

As a developer you need to create a Dockerfile for an application. The application will be based on ASP.Net core. The application has the following requirements

Ensure that the application whizlabsApp.dll runs at the startup of the docker container

Run a powershell script called whizlabscscript.ps1 in the Docker container

The whizlabsApp.dll and the whizlabscscript.ps1 are in the same location as the DockerFile. Which of the following commands would you place in the DockerFile?



- ✓ A. FROM microsoft/dotnet:2.2-aspnetcore-runtime ✓
- B. EXPOSE whizlabsApp.dll ,whizlabscscript.ps1
- ✓ C. ENTRYPOINT ["dotnet", "whizlabsApp.dll "] ✓
- D. ENTRYPOINT ["whizlabsApp.dll" ,"whizlabscscript.ps1"]
- ✓ E. RUN powershell "whizlabscscript.ps1" ✓
- F. RUN "whizlabsApp.dll","whizlabscscript.ps1"

### Explanation:

Answer - A,C and E

Examples of DockerFiles are given in the Microsoft documentation. The below example shows how to define the base image and run an application on startup of the docker container

The following example shows a sample Dockerfile for an ASP.NET Core container.

Dockerfile	Copy
<pre>FROM microsoft/dotnet:2.2-aspnetcore-runtime ARG source WORKDIR /app EXPOSE 80 COPY \${source:-obj/Docker/publish} . ENTRYPOINT ["dotnet", " MySingleContainerWebApp.dll "]</pre>	

In this case, the image is based on version 2.2 of the official ASP.NET Core Docker image (multi-arch for Linux and Windows). This is the setting `FROM microsoft/dotnet:2.2-aspnetcore-runtime` . (For more information about this base image, see the [.NET Core Docker Image](#) page.) In the Dockerfile, you also need to instruct Docker to listen on the TCP port you will use at runtime (in this case, port 80, as configured with the EXPOSE setting).

You can specify additional configuration settings in the Dockerfile, depending on the language and framework you're using. For instance, the ENTRYPOINT line with `["dotnet", "MySingleContainerWebApp.dll"]` tells Docker to run a .NET Core application. If you're using the SDK and the .NET Core CLI (dotnet CLI) to build and run the .NET application, this setting would be different. The bottom line is that the ENTRYPOINT line and other settings will be different depending on the language and platform you choose for your application.

And the below example shows how to run a powershell script

## Using PowerShell commands in a Dockerfile to set up Windows Containers

[Windows Containers](#) allow you to convert your existing Windows applications into Docker images and deploy them with the same tools as the rest of the Docker ecosystem. To use Windows Containers, you run PowerShell commands in the Dockerfile, as shown in the following example:

Dockerfile	 Copy
<pre>FROM microsoft/windowsservercore LABEL Description="IIS" Vendor="Microsoft" Version="10" RUN powershell -Command Add-WindowsFeature Web-Server CMD [ "ping", "localhost", "-t" ]</pre>	

Based on the examples given in the documentation, all other options are incorrect

For more information on a complete docker application workflow, one can go to the below link

<https://docs.microsoft.com/en-us/dotnet/standard/microservices-architecture/docker-application-development-process/docker-app-development-workflow>

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