## DBA 培训结果检测测试题

### 题目一（30分）

请将下面的语句修改为你认为规范的T-SQL写法

|  |
| --- |
| select a.name,CASE WHEN A.SizeUnitMeasureCode IS NULL THEN 'CM' ELSE A.SizeUnitMeasureCode END AS SizeUnitMeasureCode from AdventureWorks.Production.product AS a,AdventureWorks.Sales.SalesOrderDetail AS b where a.productid=b.productid and A.ModifiedDate>'2012-06-25 00:00:00' |

**SELECT** A.[name],ISNULL(A.[SizeUnitMeasureCode],'CM')

**FROM [**AdventureWorks].[Production].[product]ASA,

**[**AdventureWorks].[Sales].[SalesOrderDetail] AS B

**WHERE** A.[productid] = B.[productid]

**AND** A.[ModifiedDate] > '2012-06-25 00:00:00'

### 题目二（30分）

已知在ServerA上存在表tb\_item及以下同步关系，该表数据量达到了200万，

dbo.tb\_item

->ServerA.db

->ServerB.db

->ServerC.db

已经添加一新字段state(int,null)，请完成：

* 请为tb\_item表添加一个不允许为NULL的新列，列名称为state，且带有默认值约束，默认值约束为1。

USE dbo.tb\_item

GO

ALTER TABLE dbo.tb\_item ADD state INT NULL

CONSTRAINT DF\_tb\_item\_state DEFAULT 1

GO

WHILE (1=1)

BEGIN

UPDATE TOP(1000) dbo.tb\_item

SET state=1

WHERE state IS NULL;

IF @@ROWCOUNT<>1000

BREAK;

WAITFOR DELAY '00:00:10'

END

GO

ALTER TABLE dbo.tb\_item ALTER COLUMN state INT NOT NULL

* 请问上面两个动作需要在哪台Server上运行？

上面两动作应该在“ ServerA”上运行

### 题目三（10分）

已知表[AdventureWorks].[Person].[Contact]

请改下面的SQL使其性能效果更好:

|  |
| --- |
| SELECT B.PurchaseOrderNumber,B.OrderDate,A.EmailAddress,a.FirstName,a.LastName  FROM [AdventureWorks].[Person].[Contact] AS A  inner join Sales.SalesOrderHeader AS B  on A.ContactID = B.ContactID  WHERE SUBSTRING( [EmailAddress],1,3 ) = 'cca' |

SELECT B.PurchaseOrderNumber,B.OrderDate,A.EmailAddress,

A.FirstName,A.LastName

FROM [AdventureWorks].[Person].[Contact] AS A

INNER JOIN Sales.SalesOrderHeader AS B

ON A.ContactID = B.ContactID

WHERE [EmailAddress] **LIKE** 'cca**%**'

### 题目四（30分）

请优化一下以下脚本

|  |
| --- |
| IF (SELECT COUNT(\*)  FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK) ) >0  BEGIN  SELECT \*  FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK)  WHERE itemNo IN(  SELECT item  FROM ItemMaintain.[dbo].arinvt01 WITH (NOLOCK)  where descrip='Appar xxxx|20111111094042 R ')  SELECT \*  FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK)  WHERE itemNo IN(  SELECT item  FROM ItemMaintain.[dbo].arinvt01 WITH (NOLOCK)  where descrip ='Appar PSC|PSD8OLIVER28594 R ')  END |

IF (SELECT COUNT(\*)

FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK) ) >0

BEGIN

SELECT \*

FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK)

WHERE itemNo IN(

SELECT item

FROM ItemMaintain.[dbo].arinvt01 WITH (NOLOCK)

where descrip='Appar xxxx|20111111094042 R ')

SELECT \*

FROM ItemMaintain.dbo.Priceinfo WITH (NOLOCK)

WHERE itemNo IN(

SELECT item

FROM ItemMaintain.[dbo].arinvt01 WITH (NOLOCK)

where descrip ='Appar PSC|PSD8OLIVER28594 R ')

END