Câu: 01

USE AdventureWorks2008

GO

--Q1

SET DATEFORMAT dmy

CREATE TABLE TRAINEE

(

TraineeID int IDENTITY primary key,

Full\_Name nvarchar(20),

Birth\_Date datetime,

Gender varchar(10) not null CHECK (Gender in('male','female','unknown')),

ET\_IQ Tinyint CHECK (ET\_IQ >= 0 AND ET\_IQ <= 20),

ET\_Gmath Tinyint CHECK (ET\_Gmath >= 0 AND ET\_Gmath <= 20),

ET\_English tinyint CHECK (ET\_English >= 0 AND ET\_English <= 50),

Training\_Class varchar(50),

Evaluation\_Notes nvarchar(100)

)

--Query2

ALTER TABLE TRAINEE

ADD Fsoft\_Account varchar(20) not null

--Query3

INSERT INTO TRAINEE (Full\_Name, Birth\_Date, Gender, ET\_IQ, ET\_Gmath, ET\_English, Training\_Class, Evaluation\_Notes, Fsoft\_Account) VALUES

(N'Phi', 1/1/1994, 'female', 10, 5, 10, 'dasd', '', 'account01'),

(N'Nam', 1/1/1994, 'male', 15, 15, 15, 'fg', '', 'account02'),

(N'Minh', 1/1/1994, 'male', 15, 15, 15, 'jhj', '', 'account03'),

(N'Tai', 1/1/1994, 'male', 12, 12, 12, 'kkj', '', 'account04'),

(N'Ngoc Anh', 1/1/1994, 'female', 5, 17, 32, 'bmb', '', 'account05'),

(N'Anh', 1/1/1994, 'unknown', 17, 17, 40, 'xzc', '', 'account06'),

(N'hung', 1/1/1994, 'mail', 17, 17, 10, 'trt', '', 'account07'),

(N'Nhung', 1/1/1994, 'female', 15, 15, 15, 'Ekhg', '', 'account08'),

(N'Tinh', 1/1/1994, 'mail', 5, 15, 15, 'jjjh', '', 'account09'),

(N'Cung', 1/1/1994, 'male', 15, 15, 15, 'retrt', '', 'account10');

--Query4

SELECT \*

FROM TRAINEE

WHERE ET\_IQ + ET\_Gmath>=20 AND ET\_IQ>=8 AND ET\_Gmath>=8 AND ET\_English>=18

--Query5

SELECT \*, DATEDIFF(year, TRAINEE.Birth\_Date, GETDATE()) AS Age

FROM TRAINEE

WHERE LEN(Full\_Name) IN( SELECT TOP 1 LEN(Full\_Name) AS MaxLength

FROM TRAINEE

ORDER BY LEN(Full\_Name) DESC)

Câu : 02

USE AdventureWorks2008

GO

--Query 1

SELECT A.ProductID, A.Name, A.Color, A.ListPrice

FROM Production.Product A

--Query 2

SELECT A.ProductID, A.Name, A.Color, A.ListPrice

FROM Production.Product A

WHERE A.ListPrice <> 0

--Query 3

SELECT A.ProductID, A.Name, A.Color, A.ListPrice

FROM Production.Product A

WHERE A.Color is NULL

--Query 4

SELECT A.ProductID, A.Name, A.Color, A.ListPrice

FROM Production.Product A

WHERE A.Color is not NULL

--Query 5

SELECT A.ProductID, A.Name, A.Color, A.ListPrice

FROM Production.Product A

WHERE A.Color is not NULL AND A.ListPrice != 0

--Query 6

SELECT A.Name + ' :', A.Color

FROM Production.Product A

WHERE A.Color is not null

--Query 7

SELECT 'NAME:', A.Name + '--','COLOR:', A.Color

FROM Production.Product A

WHERE A.Color is not null

--Query 8

SELECT A.ProductID,A.NAME

FROM Production.Product A

WHERE A.ProductID BETWEEN 400 and 500

--Query 9

SELECT A.ProductID, A.NAME, A.Color

FROM Production.Product A

WHERE A.Color= 'black' or A.Color= 'blue'

--Query 10

SELECT A.Name,A.ListPrice

FROM Production.Product A

WHERE A.Name LIKE 's%'

ORDER BY A.Name ASC

--Query 11

SELECT A.Name, A.ListPrice

FROM Production.Product A

WHERE A.Name LIKE 'a%' or A.Name LIKE 's%'

ORDER BY A.Name ASC

--Query 12

SELECT A.Name

FROM Production.Product A

WHERE A.Name LIKE 'SPO%' and A.Name not in ( SELECT A.Name

FROM Production.Product A

WHERE A.Name LIKE 'SPOK%')

--Query 13

SELECT distinct A.Color

FROM Production.Product A

--Query 14

SELECT distinct A.ProductSubcategoryID, A.Color

FROM Production.Product A

WHERE (A.Color IS NOT NULL) AND (A.ProductSubcategoryID IS NOT NULL)

--Query 15

SELECT ProductSubCategoryID

, LEFT([Name],35) AS [Name]

, Color, ListPrice

FROM Production.Product

WHERE (Color IN ('Red','Black')

AND ProductSubCategoryID = 1)

OR ListPrice BETWEEN 1000 AND 2000

ORDER BY ProductID

--Query 16

SELECT A.Name, A.Color, A.ListPrice

FROM Production.Product A

WHERE A.Color IS NULL AND A.Color = REPLACE('NULL', 'NULL', 'Unknown')