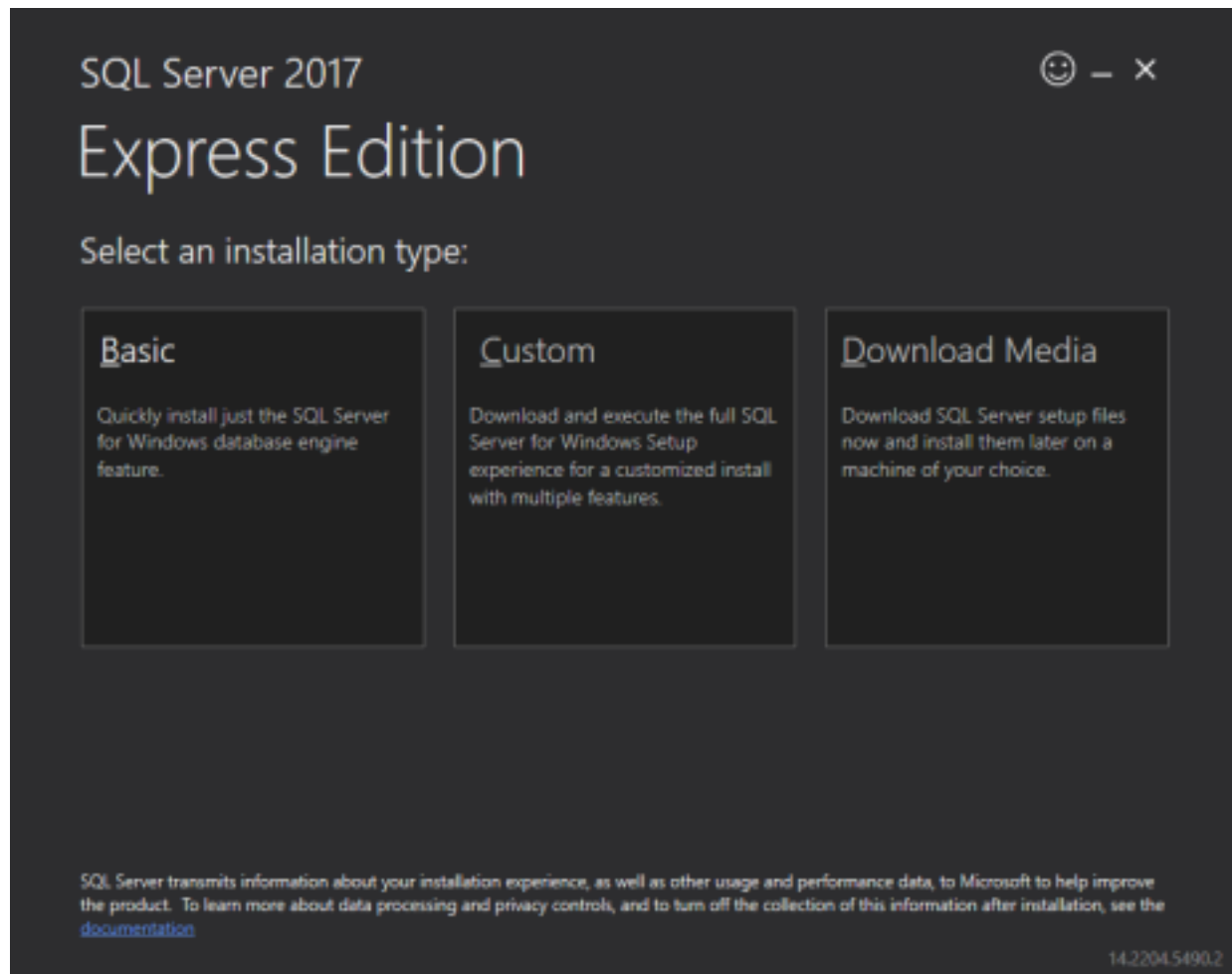
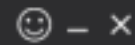


Bài thực hành số 1 – Tổng quan hệ quản trị cơ sở dữ liệu MS SQL Server

1:



SQL Server 2017



Express Edition

Specify SQL Server installer download

SELECT LANGUAGE

English

WHICH PACKAGE WOULD YOU LIKE TO DOWNLOAD?

- ☐ Express Core (275 MB)
SQL Server Engine only
- ☒ Express Advanced (710 MB)
SQL Server Engine, Full Text Services, and Reporting Services
- ☐ LocalDB (45 MB)
Lightweight version of Express Edition with all of its programmability features, but runs in user mode

Or, go to the Microsoft Azure portal to provision SQL Server in the cloud

SELECT DOWNLOAD LOCATION

C:\Users\CONGTER\Downloads



Browse

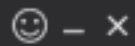
Close

< Previous

Download

14.2204.5490.2

SQL Server 2017



Express Edition

Downloading media...



Downloading setup files... 33.967 MB / 710.855 MB 68.885 Mbps

Getting Started with SQL Server

Thank you for installing Microsoft SQL Server. If you are connecting to SQL Server from a remote machine, then you need to complete the prerequisites mentioned in the "Before you get started" file located in the Resources folder.

Pause

Cancel

14.2204.5490.2

Choose Directory For Extracted Files



Choose Directory For Extracted Files

C:\D\SQL\EXP\ADV_x64_ENU\

Ok

Cancel

Browse...

[Planning](#)**[Installation](#)**[Maintenance](#)[Tools](#)[Resources](#)[Options](#)**[New SQL Server stand-alone installation or add features to an existing installation](#)**

Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

**[Install SQL Server Reporting Services](#)**

Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.

**[Install SQL Server Management Tools](#)**

Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.

**[Install SQL Server Data Tools](#)**

Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.

**[Upgrade from a previous version of SQL Server](#)**

Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2017.

Installation Type

Perform a new installation or add features to an existing instance of SQL Server 2017.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Consent to install Microsoft R ...
Consent to install Python
Feature Configuration Rules
Installation Progress
Complete

☒ **Perform a new installation of SQL Server 2017**

Select this option if you want to install a new instance of SQL Server or want to install shared components.

☐ **Add features to an existing instance of SQL Server 2017**

MSSQLSERVER

Select this option if you want to add features to an existing instance of SQL Server. For example, you want to add the Analysis Services features to the instance that contains the Database Engine. Features within an instance must be the same edition.

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
MSSQLSERVER	MSSQL14.MSSQLS...	SQLEngine	Express	14.0.1000.169
SQLSERVER	MSSQL12.SQLSERV...	SQLEngine,SQLEn...	Enterprise	12.1.4237.0
<Shared Compone...		SSMS, Adv_SSMS		12.1.4237.0

< Back

Next >

Cancel

License Terms

To install SQL Server 2017, you must accept the Microsoft Software License Terms.



Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Consent to install Microsoft R ...
Consent to install Python
Feature Configuration Rules
Installation Progress
Complete

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SQL SERVER 2017 EXPRESS

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and

 
Copy Print

☒ I accept the license terms.

SQL Server 2017 transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server 2017 data processing and privacy controls, please see the [Privacy Statement](#).

< Back

Next >

Cancel

Feature Selection

Select the Express features to install.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

Looking for Reporting Services? [Download it from the web](#)

Features:

Instance Features

- ☒ Database Engine Services
 - ☐ SQL Server Replication
 - ☐ Machine Learning Services (In-Database)
 - ☐ R
 - ☐ Python
 - ☐ Full-Text and Semantic Extractions for Search
 - ☐ PolyBase Query Service for External Data
- Shared Features
 - ☐ Client Tools Connectivity
 - ☐ Client Tools Performance Monitor

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL

Prerequisites for selected features:

Already installed:

Microsoft Visual C++ 2015 Redistributable
Windows PowerShell 3.0 or higher

Disk Space Requirements

Drive C: 1001 MB required, 343481 MB available

Select All Unselect All

Instance root directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory: c:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): c:\Program Files (x86)\Microsoft SQL Server\

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Next >

Cancel

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

Default instance

Named instance: MSSQLSERVER

Instance ID: MSSQLSERVER

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER

Installed instances:

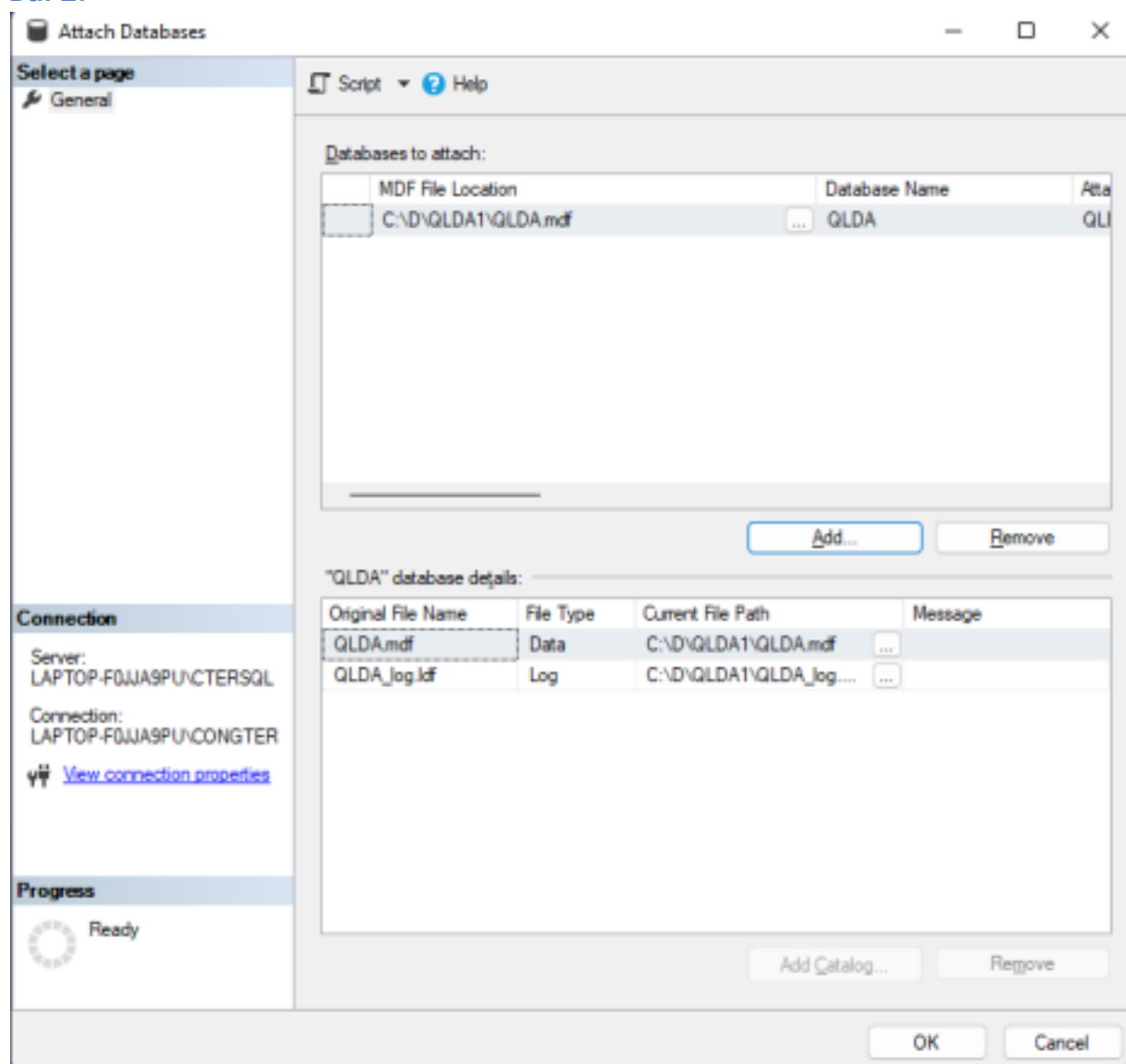
Instance Name	Instance ID	Features	Edition	Version
MSSQLSERVER	MSSQL14.MSSQLS...	SQLEngine	Express	14.0.1000.169
SQLSERVER	MSSQL12-SQLSERV...	SQLEngine,SQLEn...	Enterprise	12.1.4237.0
<Shared Compone...		SSMS, Adv_SSMS		12.1.4237.0

< Back

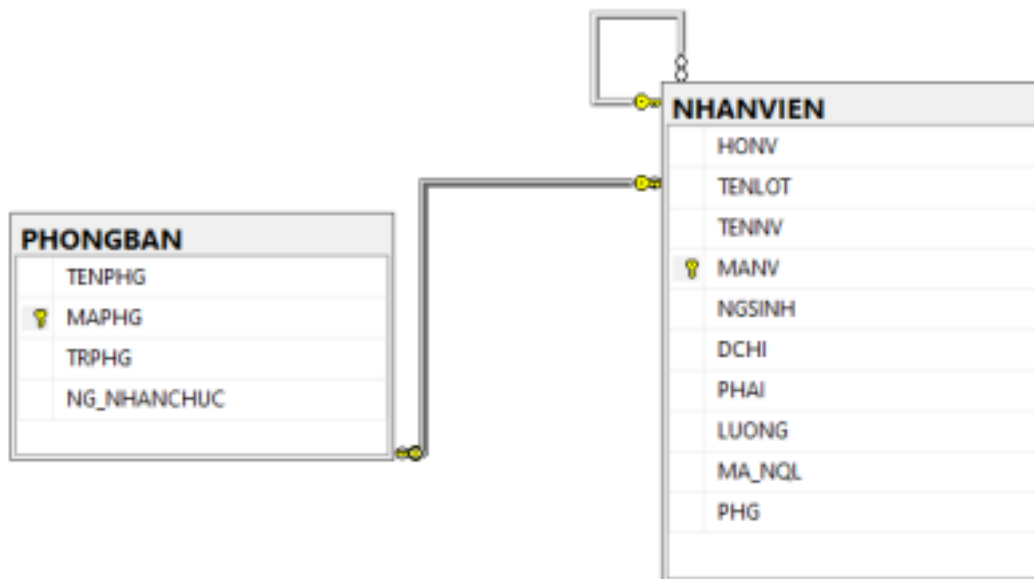
Next >

Cancel

Bài 2:



Bài 3:



Câu 1:

SQLQuery1.sql - L...9PU\CONGTER (52))

```
select * from NHANVIEN where PHG = 4
```

161 %

Results Messages

	HONV	TENLOT	TENNV	MANV	NGSINH	DCHI	PHAI	LUONG	MA_NQL	PHG
1	Đinh	Quỳnh	Như	001	1967-02-01 00:00:00.000	291 Hồ Văn Huê, TP HCM	Nữ	43000	006	4
2	Phan	Việt	Thị	002	1984-01-11 00:00:00.000	778 Nguyễn Kiêm, TP HCM		30000	001	4
3	Bùi	Ngọc	Hành	007	1954-03-11 00:00:00.000	332 Nguyễn Thái Học, TP HCM	Nam	25000	001	4
4	Trần	Hồng	Quang	008	1967-09-01 00:00:00.000	80 Lê Hồng Phong, TP HCM	Nam	25000	001	4

Câu 2:

SQLQuery1.sql - L:\PU\CONGTER (52)*

```
select * from NHANVIEN where LUONG >= 30000
```

161 %

Results Messages

	HONV	TENLOT	TENNV	MANV	NGSINH	DCHI	PHAI	LUONG	MA_NQL	PHG
1	Đinh	Quỳnh	Như	001	1957-02-01 00:00:00.000	291 Hồ Văn Huê, TP HCM	NỮ	43000	006	4
2	Phan	Việt	Thơ	002	1984-01-11 00:00:00.000	778 Nguyễn Kiệm, TP HCM		30000	001	4
3	Nguyễn	Mạnh	Hùng	004	1957-03-04 00:00:00.000	95 Bà Rịa, Vũng Tàu	Nam	38000	005	5
4	Nguyễn	Thanh	Tùng	005	1952-08-20 00:00:00.000	222 Nguyễn Văn Cừ, TP HCM	Nam	40000	006	5
5	Phạm	Văn	Vinh	006	1955-01-01 00:00:00.000	15 Trưng Vương, Hà Nội	NỮ	55000	NULL	1
6	Đinh	Bà	Tiến	009	1950-02-11 00:00:00.000	119 Cổng Quỳnh, TP HCM	N	30000	005	5
7	Đinh	Bà	Tiến	017	1950-02-11 00:00:00.000	119 Cổng Quỳnh, TP HCM	N	30000	005	5

Câu 3:

SQLQuery1.sql - L:\PU\CONGTER (52)*

```
select * from NHANVIEN where (LUONG >= 25000 and PHG = 4) or (LUONG >= 30000 and PHG = 5)
```

161 %

Results Messages

	HONV	TENLOT	TENNV	MANV	NGSINH	DCHI	PHAI	LUONG	MA_NQL	PHG
1	Đinh	Quỳnh	Như	001	1957-02-01 00:00:00.000	291 Hồ Văn Huê, TP HCM	NỮ	43000	006	4
2	Phan	Việt	Thơ	002	1984-01-11 00:00:00.000	778 Nguyễn Kiệm, TP HCM		30000	001	4
3	Nguyễn	Mạnh	Hùng	004	1957-03-04 00:00:00.000	95 Bà Rịa, Vũng Tàu	Nam	38000	005	5
4	Nguyễn	Thanh	Tùng	005	1952-08-20 00:00:00.000	222 Nguyễn Văn Cừ, TP HCM	Nam	40000	006	5
5	Bà	Ngọc	Hành	007	1954-03-11 00:00:00.000	332 Nguyễn Thái Học, TP HCM	Nam	25000	001	4
6	Tiến	Hồng	Quang	008	1957-05-01 00:00:00.000	80 Lê Hồng Phong, TP HCM	Nam	25000	001	4
7	Đinh	Bà	Tiến	009	1950-02-11 00:00:00.000	119 Cổng Quỳnh, TP HCM	N	30000	005	5
8	Đinh	Bà	Tiến	017	1950-02-11 00:00:00.000	119 Cổng Quỳnh, TP HCM	N	30000	005	5

Câu 4:

SQLQuery1.sql - L:\9PU\CONGTER (52))" - * X

```
--select MANV,HONV+' '+TENLOT+' '+TENNV as FULLNAME
from NHANVIEN Where DCHI like '%HCM%'or DCHI like N'%Hồ Chí Minh%'
```

161 %

Results Messages

	MANV	FULLNAME
1	001	ĐinhQuỳnhNhu
2	002	PhanVietThe
3	003	TrầnThanhTâm
4	005	NguyễnThanhTùng
5	007	BùiNgọcHành
6	008	TrầnHồngQuang
7	009	ĐinhBàTiến
8	017	ĐinhBàTiến

Câu5:



Câu6:



Bài 4: