



**KOLEJ SYNERGY**  
**NO 32, 34 JALAN PERAI JAYA 4,**  
**BANDAR PERAI JAYA,**  
**13600 PULAU PINANG.**

## **KERTAS KERJA** **(WORK SHEET)**

<b>KOD DAN NAMA PROGRAM /</b> <i>PROGRAM'S CODE &amp; NAME</i>	IT-010-3:2016APPLICATION DEVELOPMENT	
<b>TAHAP / LEVEL</b>	L3	
<b>NO. DAN TAJUK UNIT KOMPETENSI /</b> <i>COMPETENCY UNIT NO. AND TITLE</i>	C02 APPLICATIONMODULES DEVELOPMENT	
<b>NO. DAN PENYATAAN AKTIVITI KERJA / WORK</b> <i>ACTIVITIES NO. AND STATEMENT</i>	1 INTERPRET APPLICATION MODULE DEVELOPMENT REQUIREMENT 2 SETUP LOCAL ENVIRONMENT 3 <b>PLAN MODULE EXPECTED BEHAVIOUR</b> 4 <b>WRITE MODULE CODE</b> 5 <b>COMMIT MODULE SOURCE CODE</b>	
<b>ID UNIT KOMPETENSI /</b> <i>COMPETENCY UNIT ID</i>	IT-010-3:2016-C02/K (2/2)	Page:1 of 8

**TITLE : APPLY PROGRAMMING TECHNIQUE/ DESIGN PATTERN**

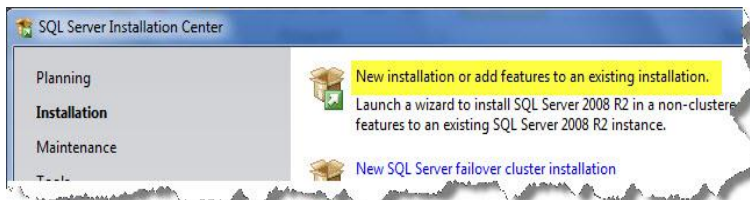
### **INSTRUCTIONAL AIMS:**

Trainees must be able to:

1. Insert element.
2. Write the functional code.
3. Test the functional code.

**INSTRUCTIONS:**

Trainees have to create database and link at each element with reference to the information sheet **IT-010-3:2016-C02/P (2/2)**

**DRAWINGS, DATA AND TABLE:**

**Figure 1.1 New Installations**

**EQUIPMENT/HARDWARE/MATERIALS:**

1. Computer
2. Microsoft Office Word

**Questions**

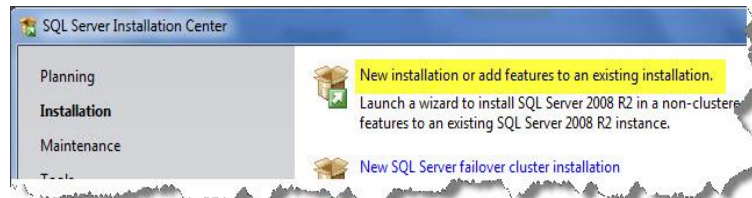
You are required to create a code to connect database and link at each element in your form.

## WORK STEP

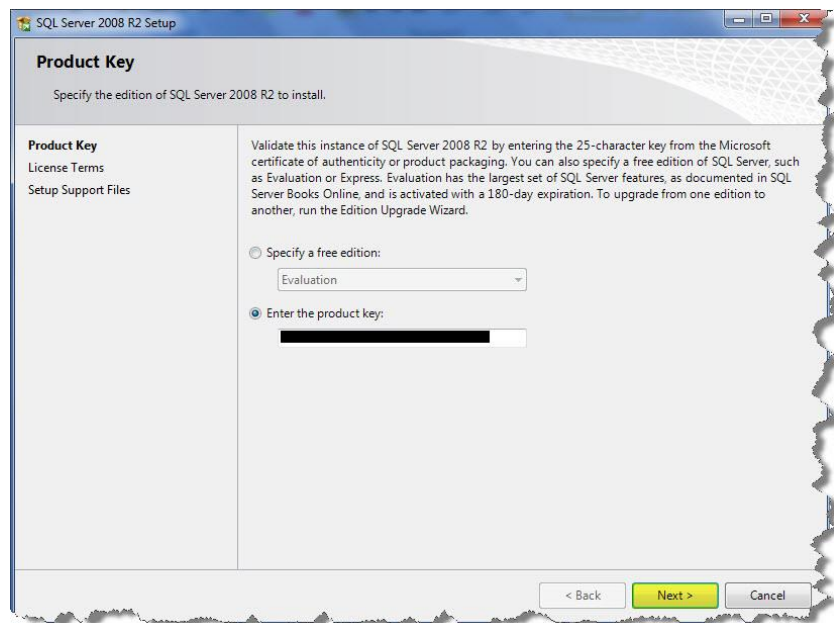
## SCOPE OF WORK

1. Install Sql  
Server 2008  
r2

- 1.1 Click on “setup.exe”  
1.2 Click on Installation  
1.3 Click on “New Installation...” A command prompt window will flash and Setup Rules dialog box will show up.



- 1.4 Make sure that all Setup Rules are passed. Click on Ok, then click on Next. The Product Key page is used to authenticate your license of SQL Server or choose to install a free edition.



- 1.5 Go through the License Terms and if you agree upon the terms, then check on “I accept the license terms”. And then click on the “Next”.
- 1.6 Click on the “Install”.

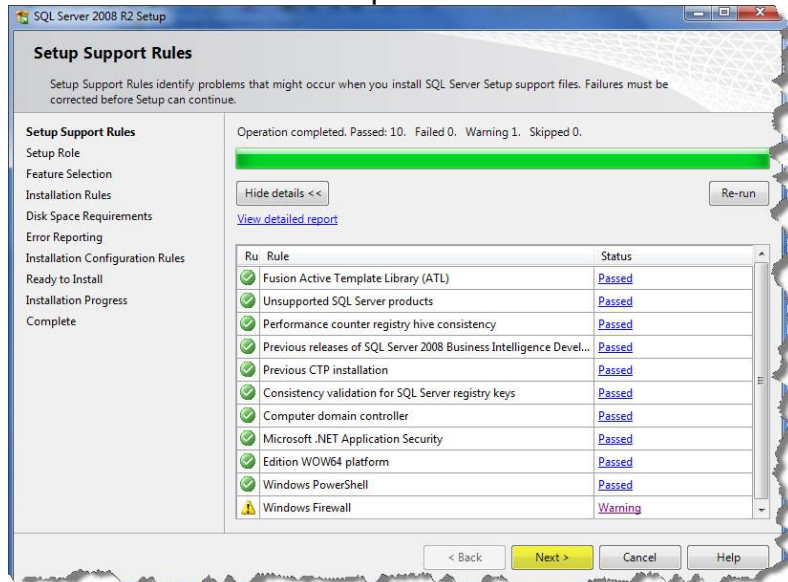
## WORK STEP

## SCOPE OF WORK

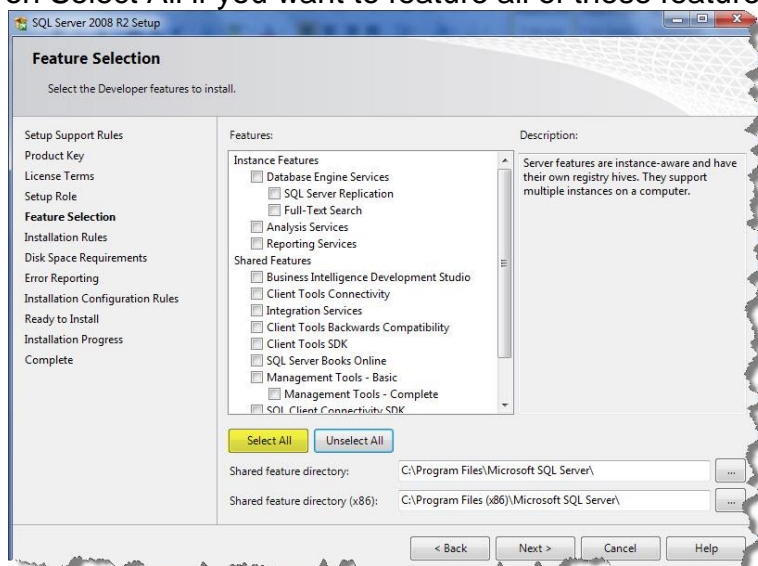
2. Fix the warning at Window Firewall if got warning at installation

1.7 Make sure that all Setup Rules are passed. If there are failed rules, you won't be able to proceed. In case of warnings, you can continue to install, but you still should note the warning and take corrective measures, before or after installation.

2.1 Click on the "Warning". So a dialog box will appear. Click on Ok, and then Click on Next to proceed further.



2.2 Go to Setup Role, then select SQL Server Feature Installation and then Click on Next. Go to Feature Selection, and then click on Select All if you want to feature all of these features.



2.3 Click Next to proceed further.

## WORK STEP

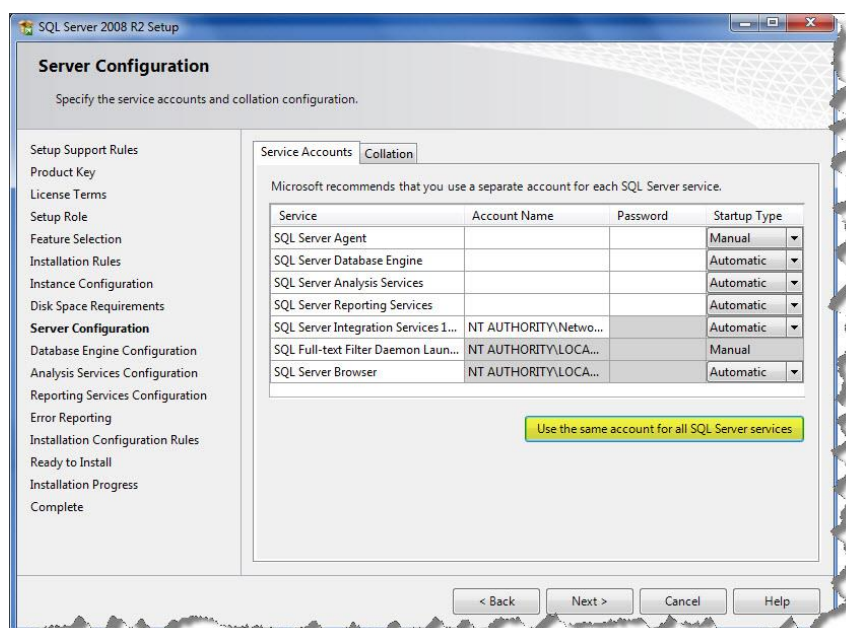
## SCOPE OF WORK

2.4 Go to Installation Rules and check the Operation are completed, and then click on Next.

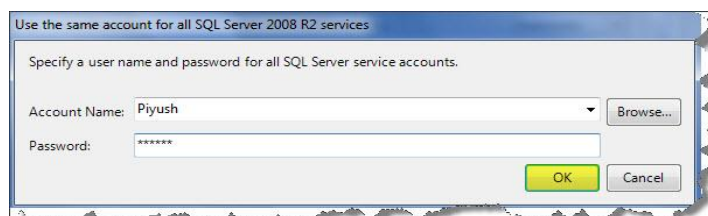
2.5 Check the whether the Name Instance is SQLSERVER2KR2, then click on Next.

2.6 If your systems surpass the requirement, then click on Next.

2.7 Sever Configuration page shows up the service accounts and collation configuration. Click on Use the same account for all SQL Server services.



2.8 After inserting the Account Name and Password, Click on Ok.

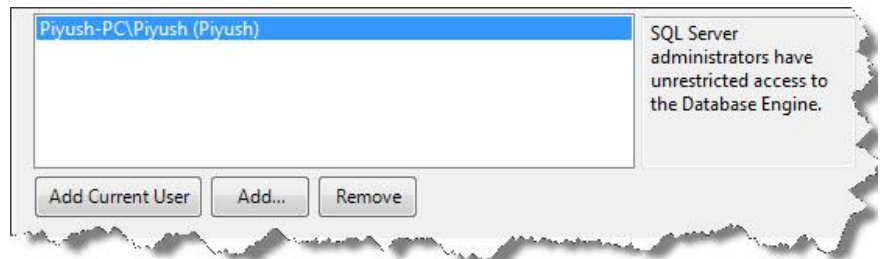


2.9 You can see the account name and password automatically fills up. Click on Next.

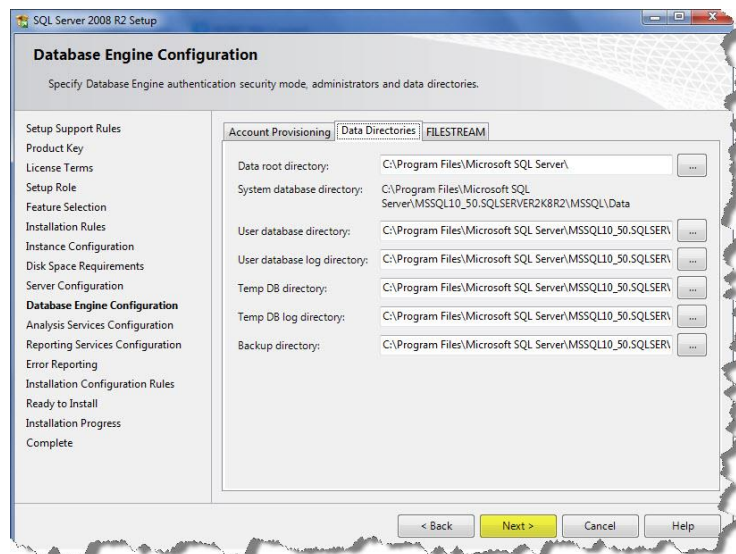
## WORK STEP

## SCOPE OF WORK

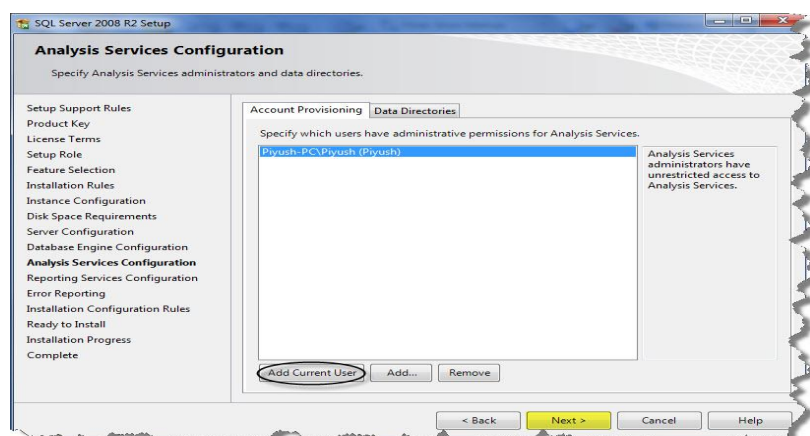
2.10 Click on Account Provisioning tab. Here in the Database Engine Configuration, you have to select the authentication mode out of the two: Windows Authentication Mode and Mixed Mode. After you enter the password, Click on “Add current user”



2.11 Click on Data Directories tab, and then Click on Next.



2.12 Click on the Account Provisioning tab and then click on the Add Current User button. Click on Data Directories tab. As we said earlier Data and Log files directory must be a separate one, so it should be follow it again. Click on Next.

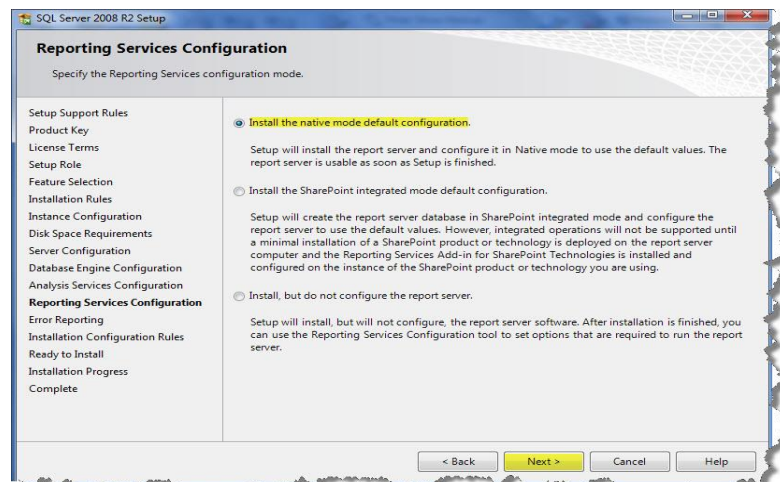




## WORK STEP

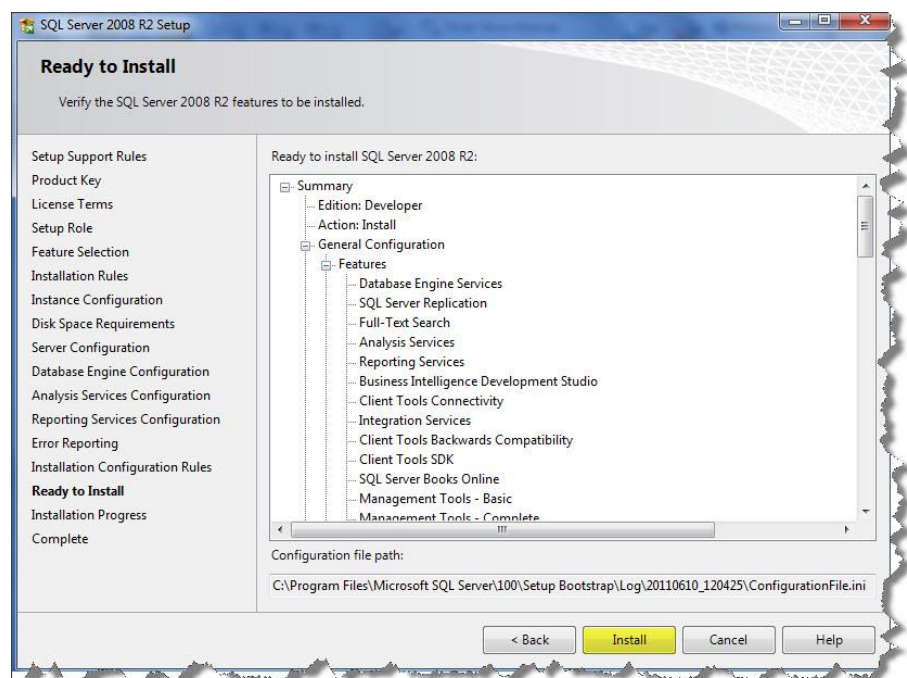
## SCOPE OF WORK

2.13 The Reporting Services Configuration Page is being used to select the native configuration or SharePoint configuration. Choose 'Install the native mode default configuration'. Click on Next.



2.14 Check on the "Send Windows and SQL Server ..." and then click on Next.

2.15 Click on Next, then click Install



**WORK CHECKLIST**

NO	LEVEL OF ACHIEVEMENT	RECEIVE	NOT RECEIVE	NOTES
<b>A. WORK PROCESS</b>				
1.	The use of proper equipment	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.	Work procedures	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.	Duration	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>B. WORK RESULTS</b>				
1.	Insert element	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.	Write the functional code	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.	Test the functional code	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>C. ATTITUDE</b>				
1.	Cooperation	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.	Well-timed	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>D SAFETY</b>				
1	Proper work methods and Emphasis safety	<input type="checkbox"/>	<input type="checkbox"/>	_____

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(Signature of candidate)-----  
Date-----  
(Signature &Name of PP)-----  
Date