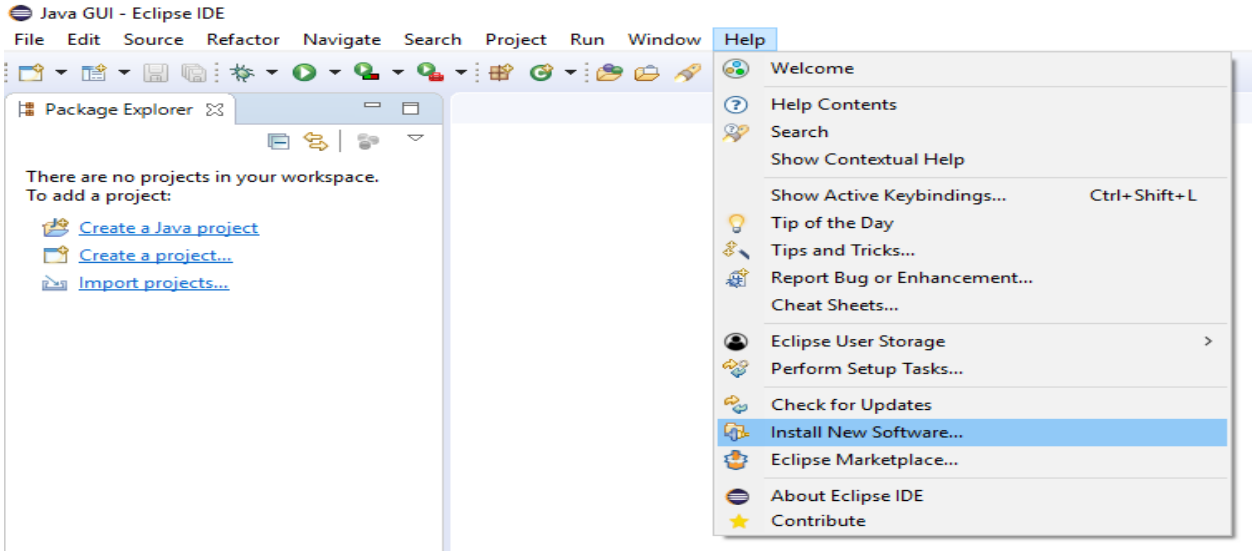
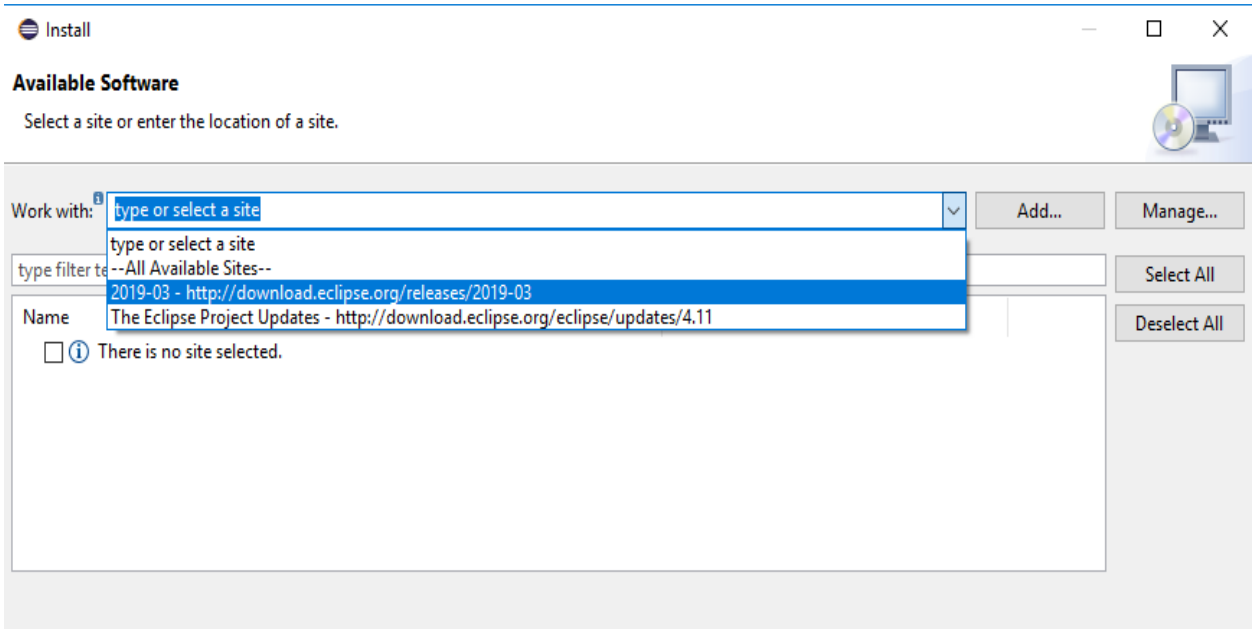
**CSE 215L: Programming language II Lab**
**Faculty: Dr. Mohammad Rashedur Rahman (RRn)**
**Lab-16 [GUI-01]**
**Fall-2022**
**Instructor: Md. Mustafizur Rahman**

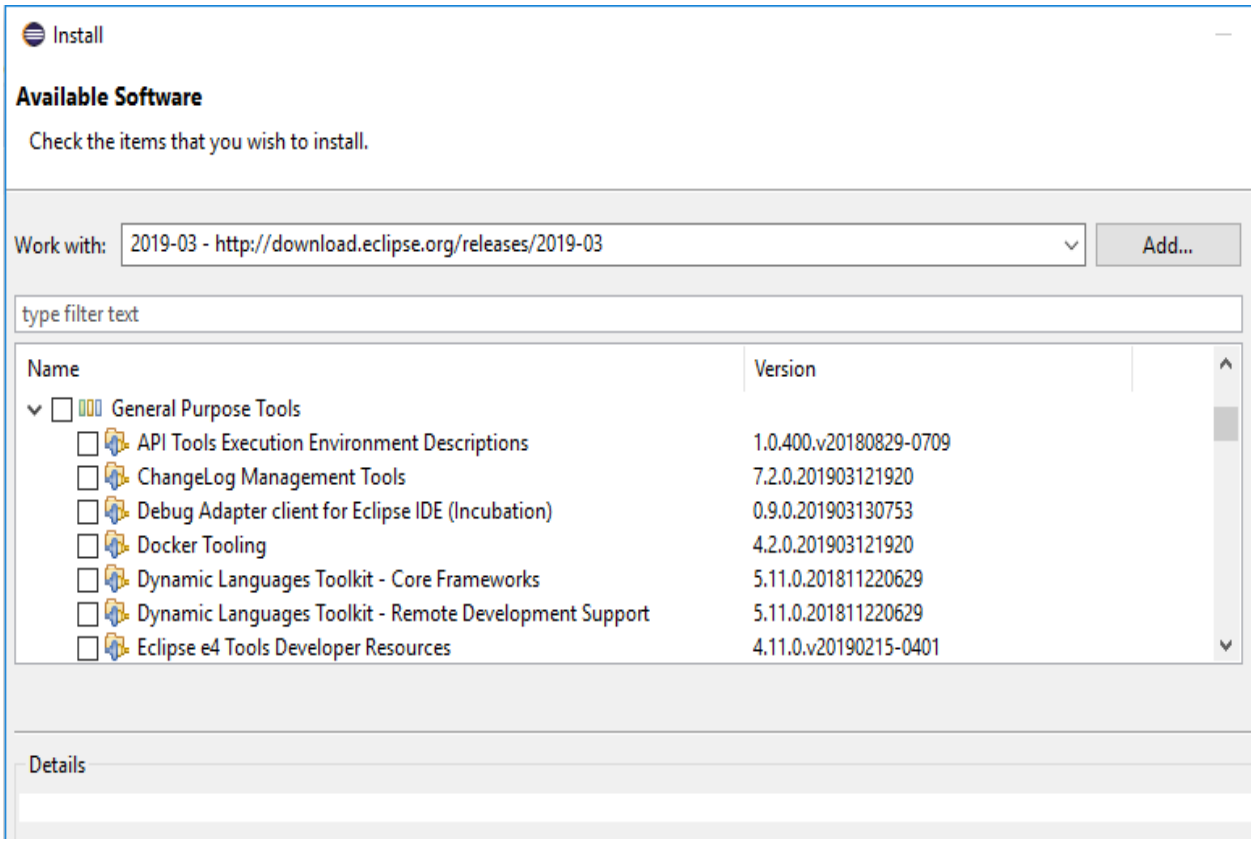
**Objective:**

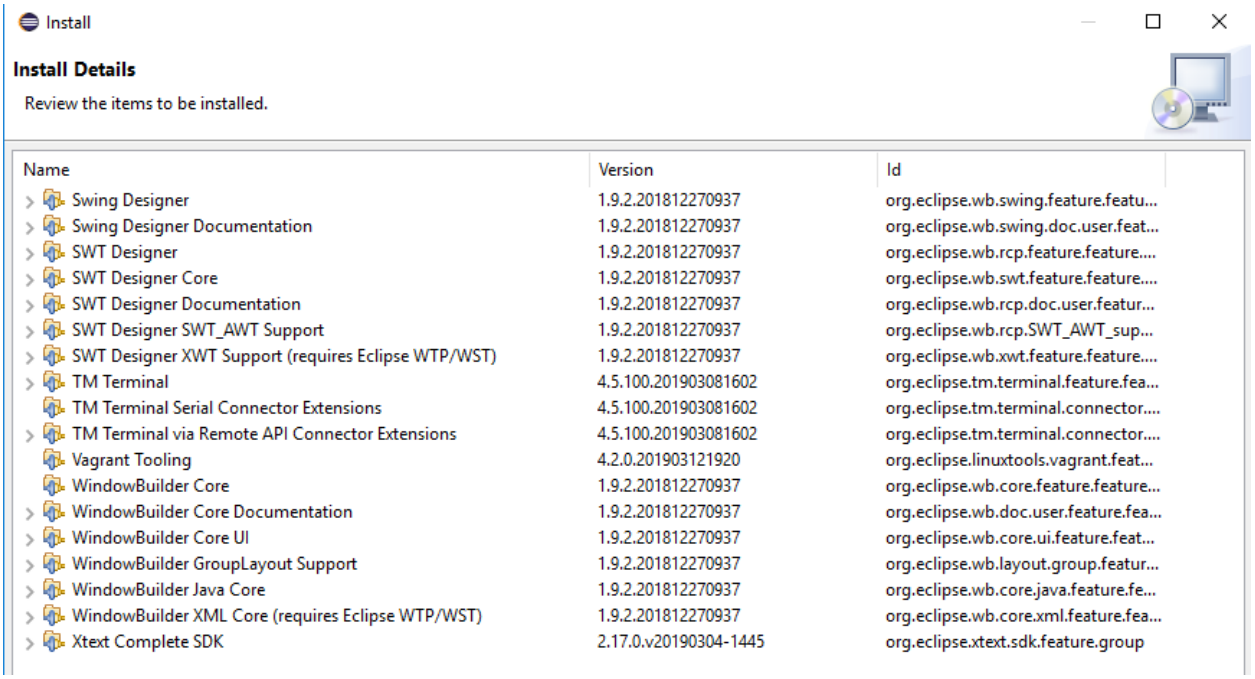
- To familiarize with the Eclipse WindowBuilder Plugin
- To develop simple applications using GUI

# Installing WindowBuilder Plugin in ECLIPS:




Install
Available Software
Check the items that you wish to install.
Work with:
2019-03 - http://download.eclipse.org/releases/2019-03
Add...
type filter text
Name
Version
General Purpose Tools
API Tools Execution Environment Descriptions
1.0.400.v20180829-0709
ChangeLog Management Tools
7.2.0.201903121920
Debug Adapter client for Eclipse IDE (Incubation)
0.9.0.201903130753
Docker Tooling
4.2.0.201903121920
Dynamic Languages Toolkit - Core Frameworks
5.11.0.201811220629
Dynamic Languages Toolkit - Remote Development Support
5.11.0.201811220629
Eclipse e4 Tools Developer Resources
4.11.0.v20190215-0401
Details


Install
Install Details
Review the items to be installed.
Name
Version
Id
Swing Designer
1.9.2.201812270937
org.eclipse.wb.swing.feature.featu...
Swing Designer Documentation
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SWT Designer
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SWT Designer Core
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SWT Designer Documentation
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SWT Designer SWT_AWT Support
1.9.2.201812270937
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SWT Designer XWT Support (requires Eclipse WTP/WST)
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TM Terminal
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TM Terminal Serial Connector Extensions
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TM Terminal via Remote API Connector Extensions
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Vagrant Tooling
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WindowBuilder Core
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org.eclipse.wb.core.feature.feature...
WindowBuilder Core Documentation
1.9.2.201812270937
org.eclipse.wb.doc.user.feature.fea...
WindowBuilder Core UI
1.9.2.201812270937
org.eclipse.wb.core.ui.feature.feat...
WindowBuilder GroupLayout Support
1.9.2.201812270937
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WindowBuilder Java Core
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WindowBuilder XML Core (requires Eclipse WTP/WST)
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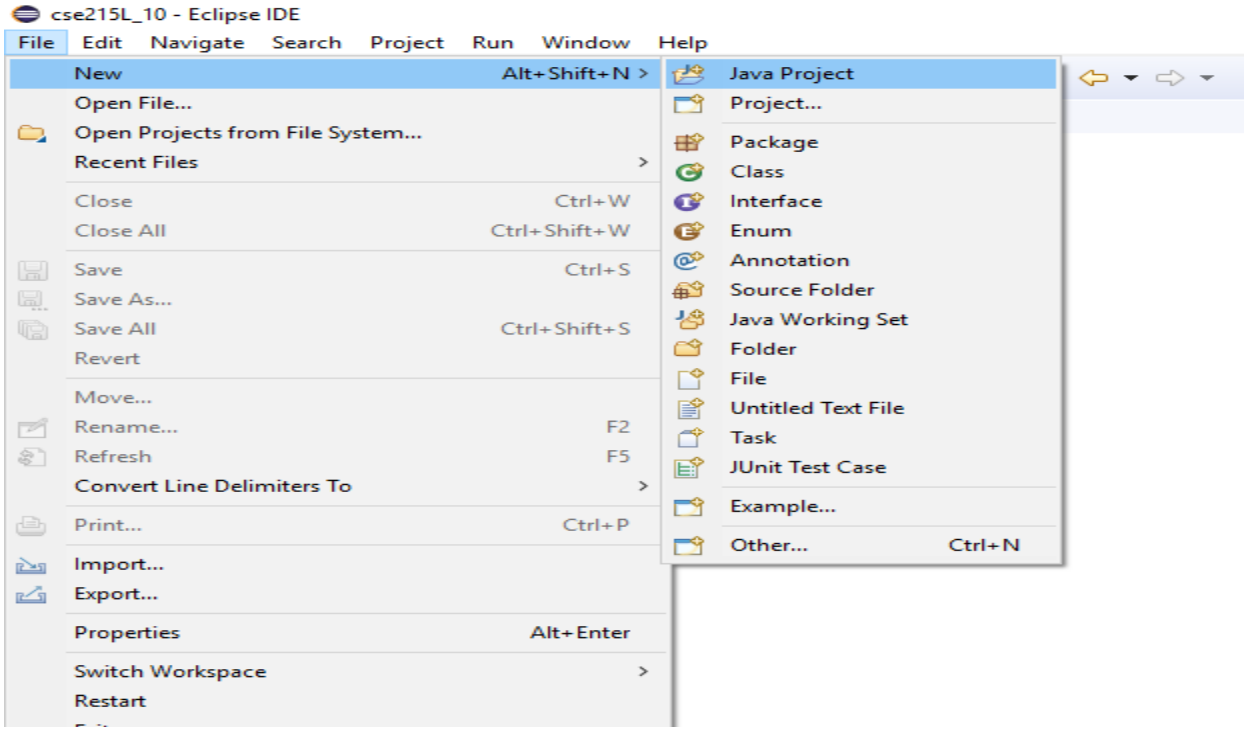
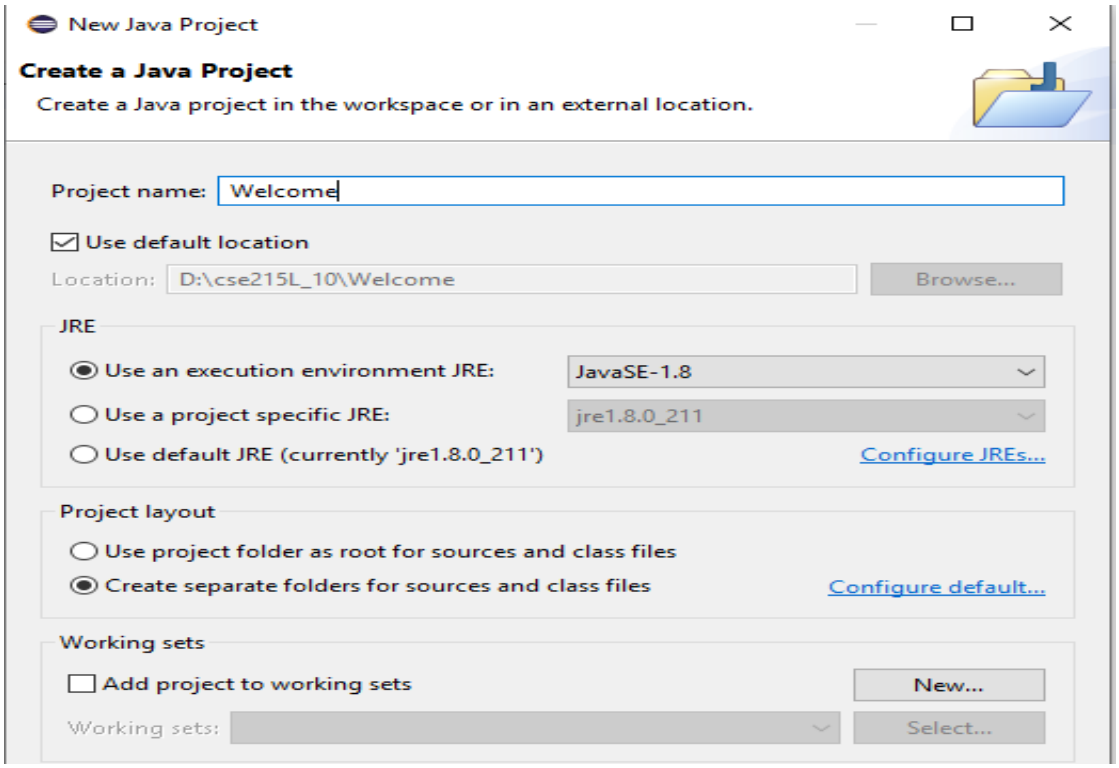
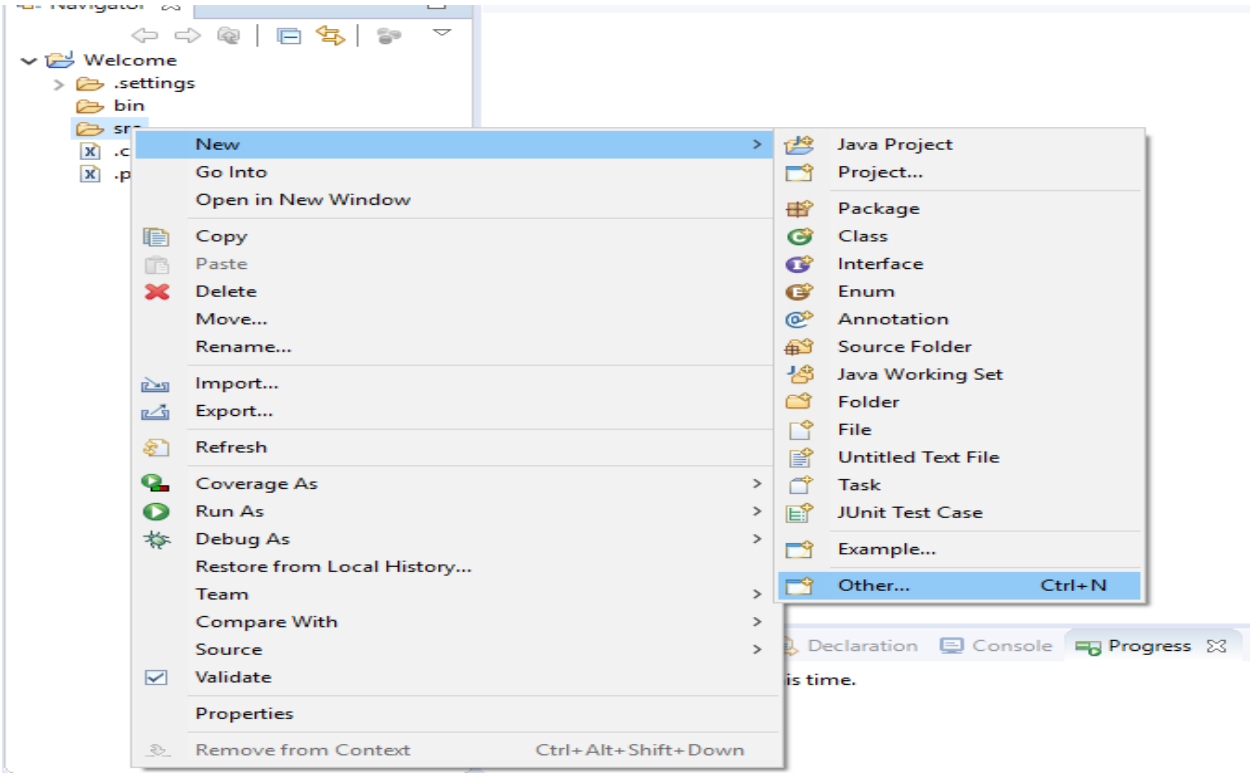
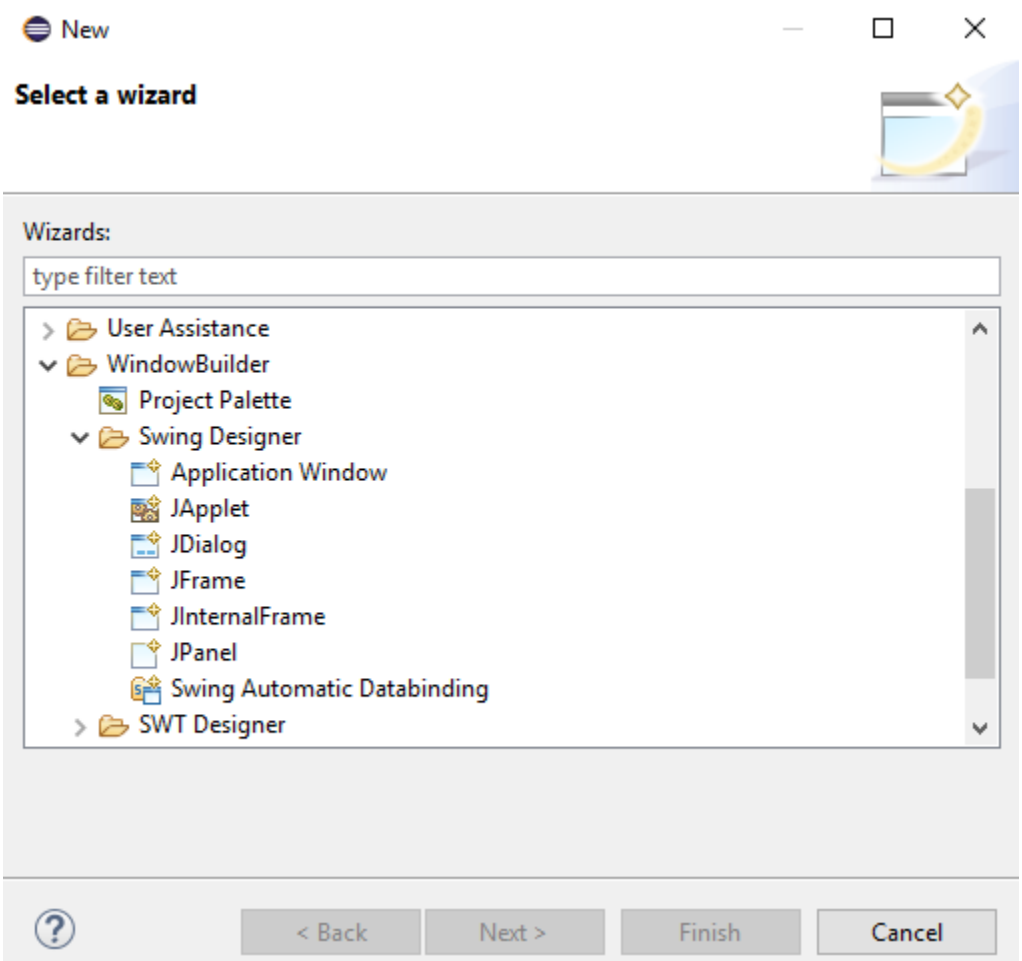
Xtext Complete SDK
2.17.0.v20190304-1445
org.eclipse.xtext.sdk.feature.group

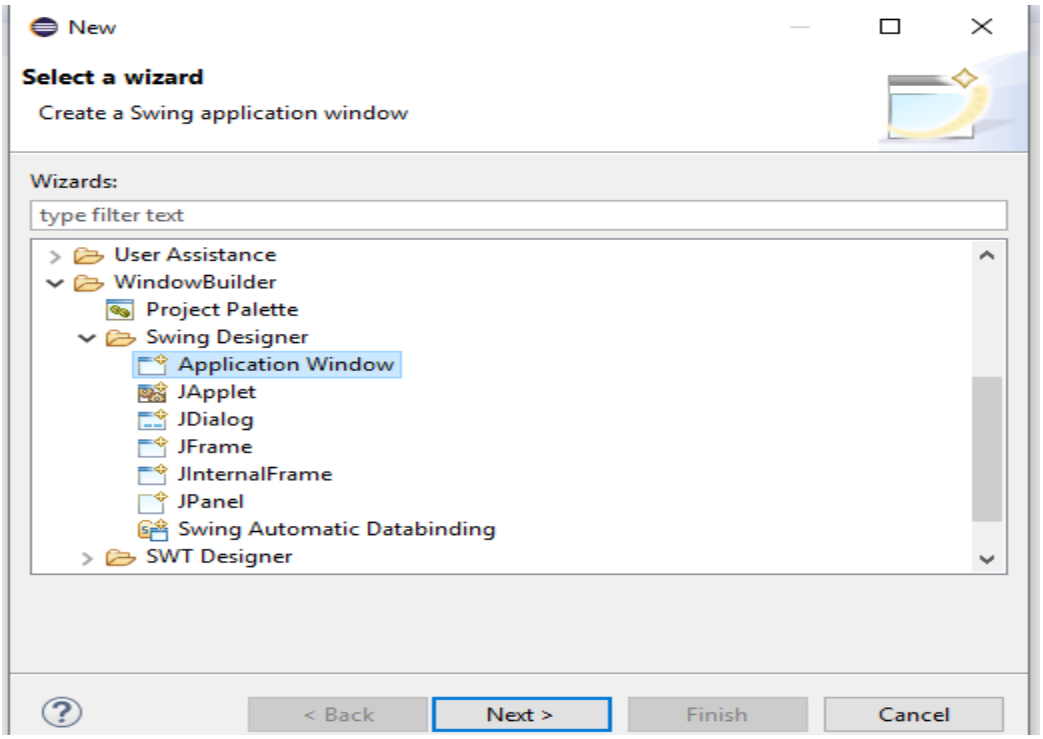
# How to Create A Project:

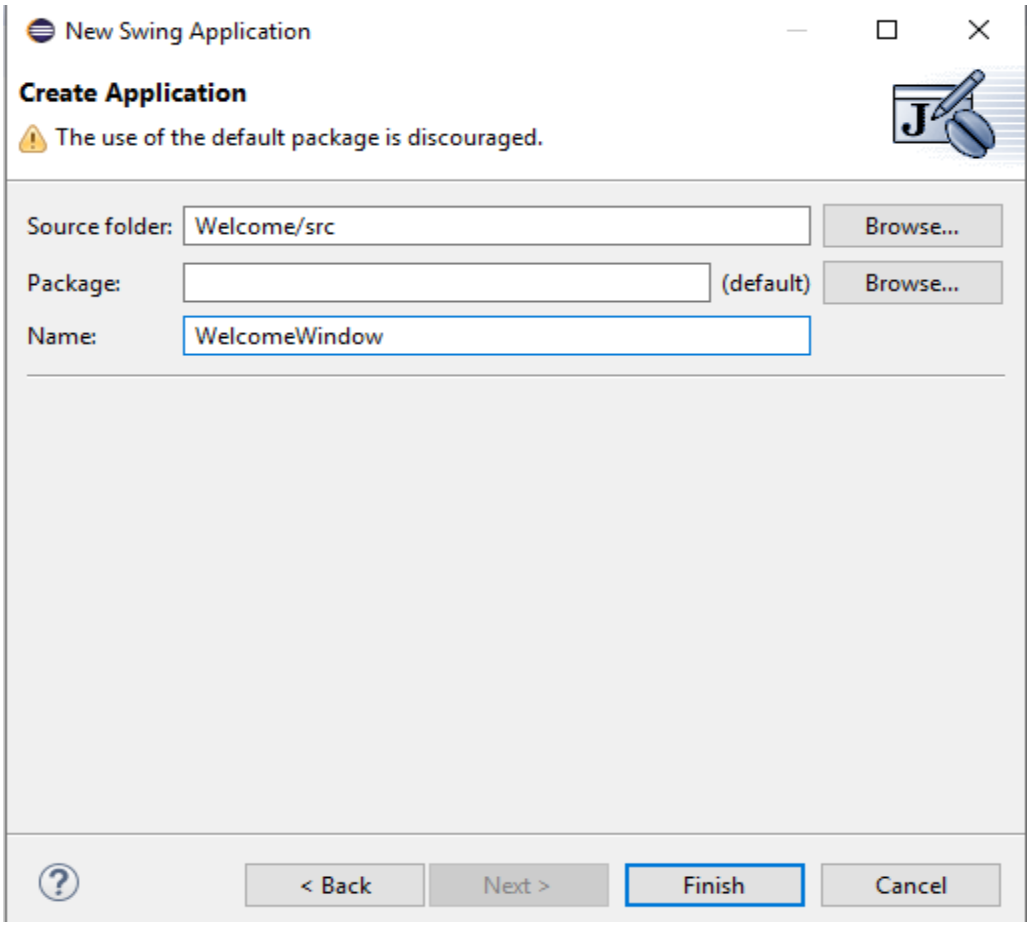
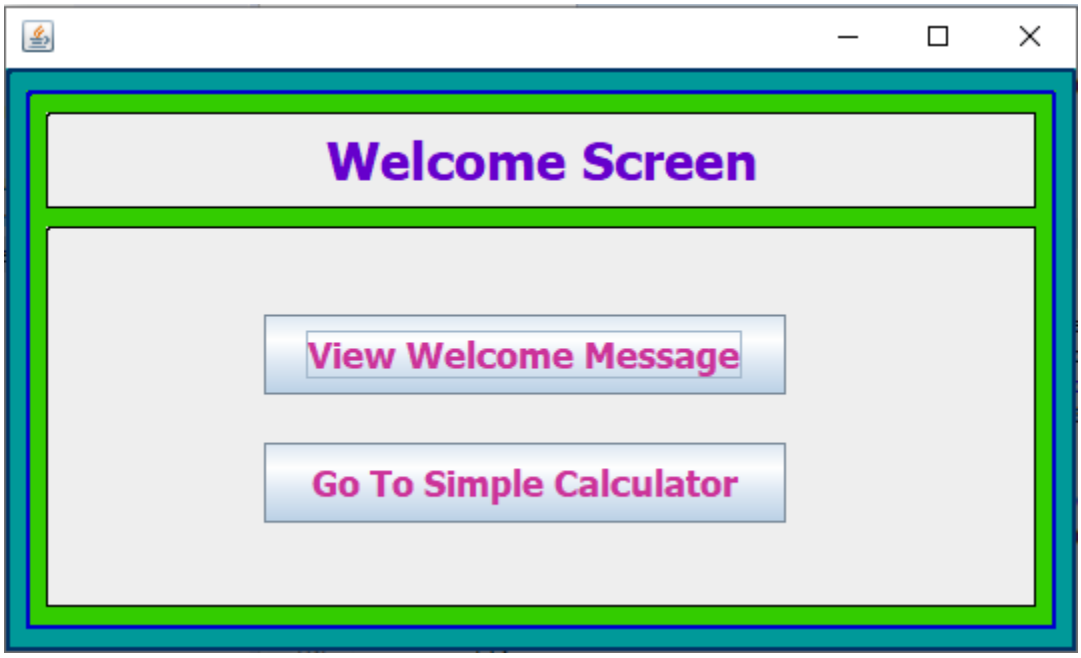
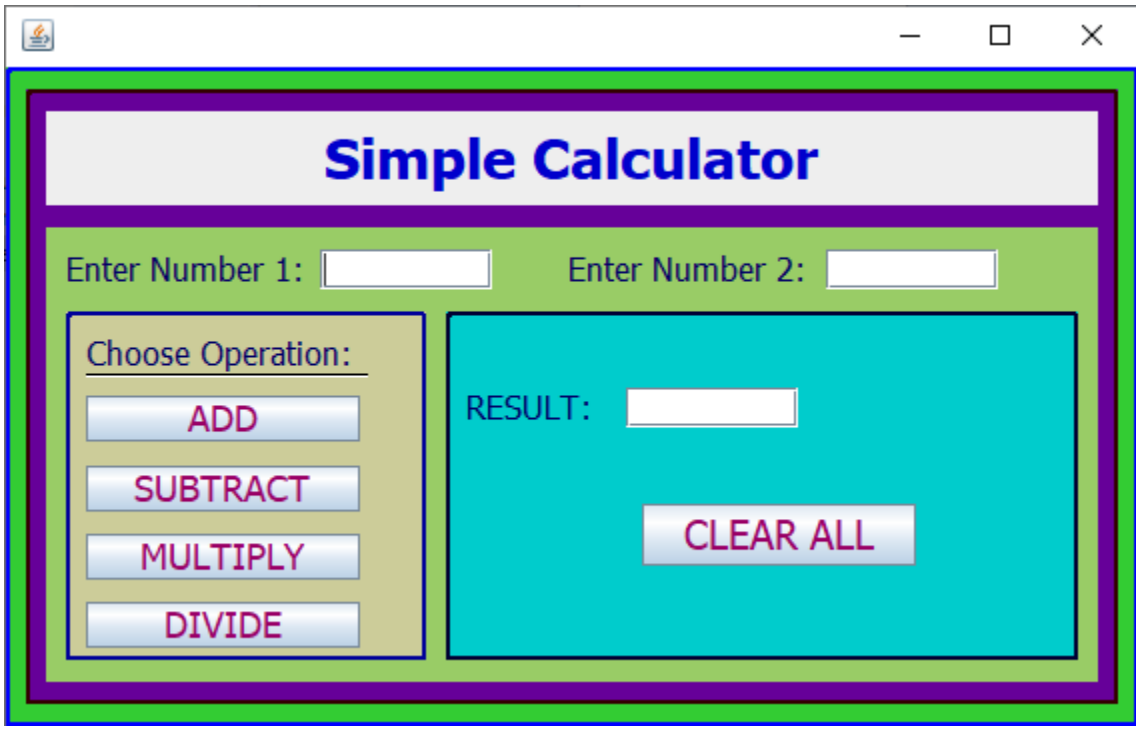



Welcome
.settings
bin
New
Go Into
Open in New Window
Copy
Paste
Delete
Move...
Rename...
Import...
Export...
Refresh
Coverage As
Run As
Debug As
Restore from Local History...
Team
Compare With
Source
Validate
Properties
Remove from Context
Ctrl+Alt+Shift+Down
Java Project
Project...
Package
Class
Interface
Enum
Annotation
Source Folder
Java Working Set
Folder
File
Untitled Text File
Task
JUnit Test Case
Example...
Other...
Ctrl+N
Declaration
Console
Progress
is time.


New
Select a wizard
Wizards:
type filter text
User Assistance
WindowBuilder
Project Palette
Swing Designer
Application Window
JApplet
JDialog
JFrame
JInternalFrame
JPanel
Swing Automatic Databinding
SWT Designer
< Back
Next >
Finish
Cancel


New
Select a wizard
Create a Swing application window
Wizards:
type filter text
User Assistance
WindowBuilder
Project Palette
Swing Designer
Application Window
JApplet
JDialog
JFrame
JInternalFrame
JPanel
Swing Automatic Databinding
SWT Designer
< Back
Next >
Finish
Cancel


New Swing Application
Create Application
The use of the default package is discouraged.
Source folder:
Welcome/src
Browse...
Package:
(default)
Browse...
Name:
WelcomeWindow
< Back
Next >
Finish
Cancel

Today, we will be building a Simple Calculator using GUI in Java. We will have two frames and the first frame will contain two buttons. One is for Welcome Message and the other is for displaying a calculator. Our calculator will be able to perform basic arithmetic operations.