

JAVA Uygulama Geliřtirme Ortamı Kurulum, Kullanım ve Test Kılavuzu

BBM104 Programlamaya Giriř 2 Laboratuvarı

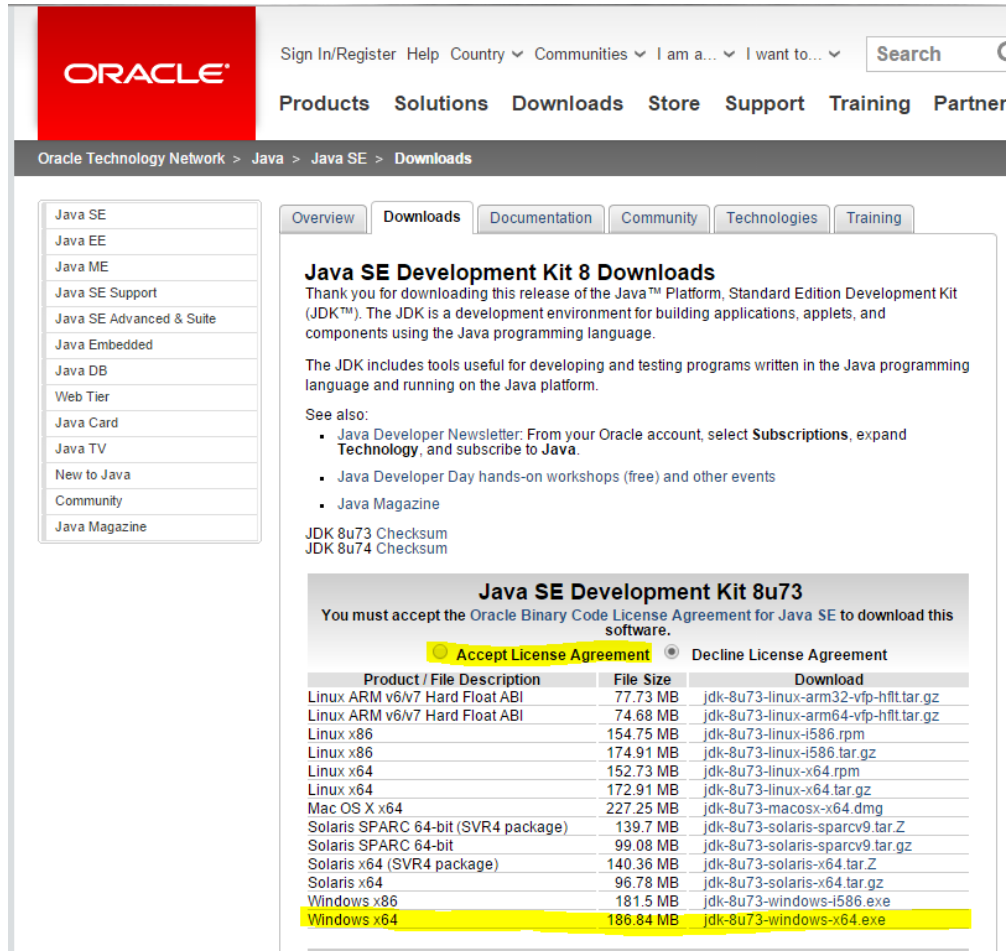
**Hacettepe Üniversitesi
Bilgisayar Mühendislięi Bölümü**

Java JDK Kurulumu

1. Son sürüm olan Java JDK 8 sürümünün

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

adresinden işletim sistemine uygun olan dağıtımı indirilir. Ekran görüntüsü şu şekildedir:



Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter: From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u73 Checksum
JDK 8u74 Checksum

Java SE Development Kit 8u73

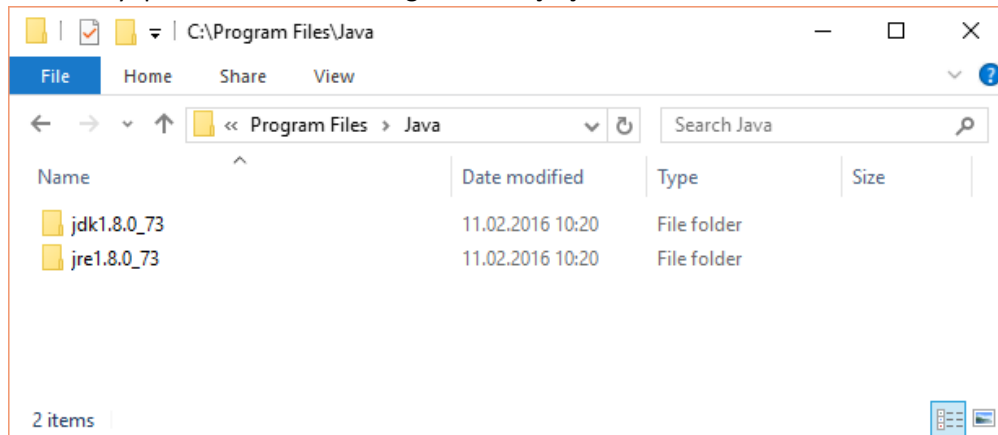
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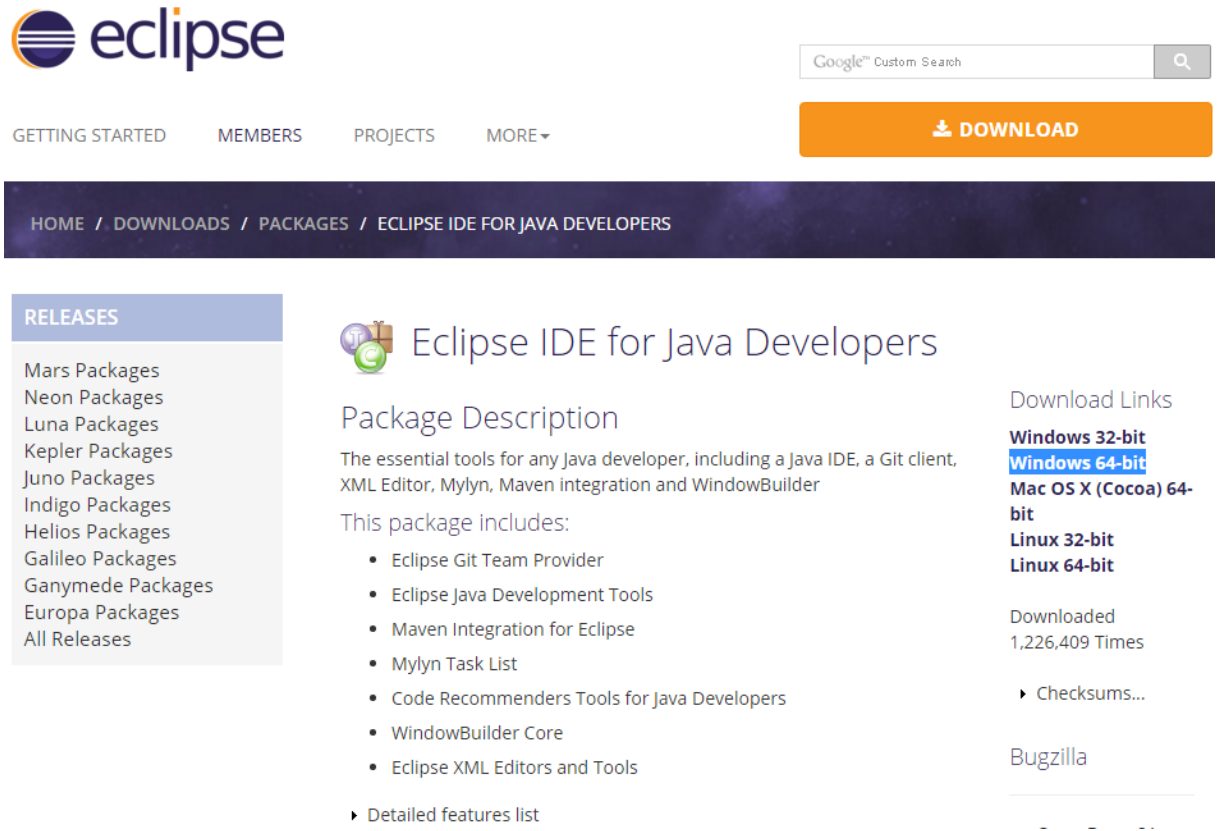
Product / File Description	File Size	Download
Linux ARM v6/v7 Hard Float ABI	77.73 MB	jdk-8u73-linux-arm32-vfp-hflt.tar.gz
Linux ARM v6/v7 Hard Float ABI	74.68 MB	jdk-8u73-linux-arm64-vfp-hflt.tar.gz
Linux x86	154.75 MB	jdk-8u73-linux-i586.rpm
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Mac OS X x64	227.25 MB	jdk-8u73-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.7 MB	jdk-8u73-solaris-sparcv9.tar.Z
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Solaris x64 (SVR4 package)	140.36 MB	jdk-8u73-solaris-x64.tar.Z
Solaris x64	96.78 MB	jdk-8u73-solaris-x64.tar.gz
Windows x86	181.5 MB	jdk-8u73-windows-i586.exe
Windows x64	186.84 MB	jdk-8u73-windows-x64.exe

Buradan indireceğiniz Java Development Kit (JDK - uygulama geliştirme ortamı) aynı zamanda Java Runtime Environment (JRE – Java uygulama çalıştırma ortamı) içermektedir.

2. Kurulum yapıldıktan sonra klasör görüntüsü şu şekilde olmalıdır.



3. Ücretsiz uygulama geliştirme editörü olan Eclipse IDE'nin Java Developer sürümü <http://www.eclipse.org/downloads/packages/eclipse-ide-java-developers/mars1> adresinden işletim sistemine uygun olan dağıtımı indirilir.



The screenshot shows the Eclipse IDE website for the Java Developers package. The header includes the Eclipse logo, a Google Custom Search bar, and navigation links: GETTING STARTED, MEMBERS, PROJECTS, and MORE. A prominent orange DOWNLOAD button is visible. The main content area is titled 'Eclipse IDE for Java Developers' and includes a 'Package Description' section. This section states that the package is essential for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, Maven integration, and WindowBuilder. It also lists the included tools: Eclipse Git Team Provider, Eclipse Java Development Tools, Maven Integration for Eclipse, Mylyn Task List, Code Recommenders Tools for Java Developers, WindowBuilder Core, and Eclipse XML Editors and Tools. A 'Download Links' section provides links for Windows 32-bit, Windows 64-bit, Mac OS X (Cocoa) 64-bit, Linux 32-bit, and Linux 64-bit. The download statistics show 1,226,409 times downloaded. A 'Bugzilla' link is also present.

RELEASES

- Mars Packages
- Neon Packages
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- Juno Packages
- Indigo Packages
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Eclipse IDE for Java Developers

Package Description

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, Maven integration and WindowBuilder

This package includes:

- Eclipse Git Team Provider
- Eclipse Java Development Tools
- Maven Integration for Eclipse
- Mylyn Task List
- Code Recommenders Tools for Java Developers
- WindowBuilder Core
- Eclipse XML Editors and Tools

► Detailed features list

Download Links

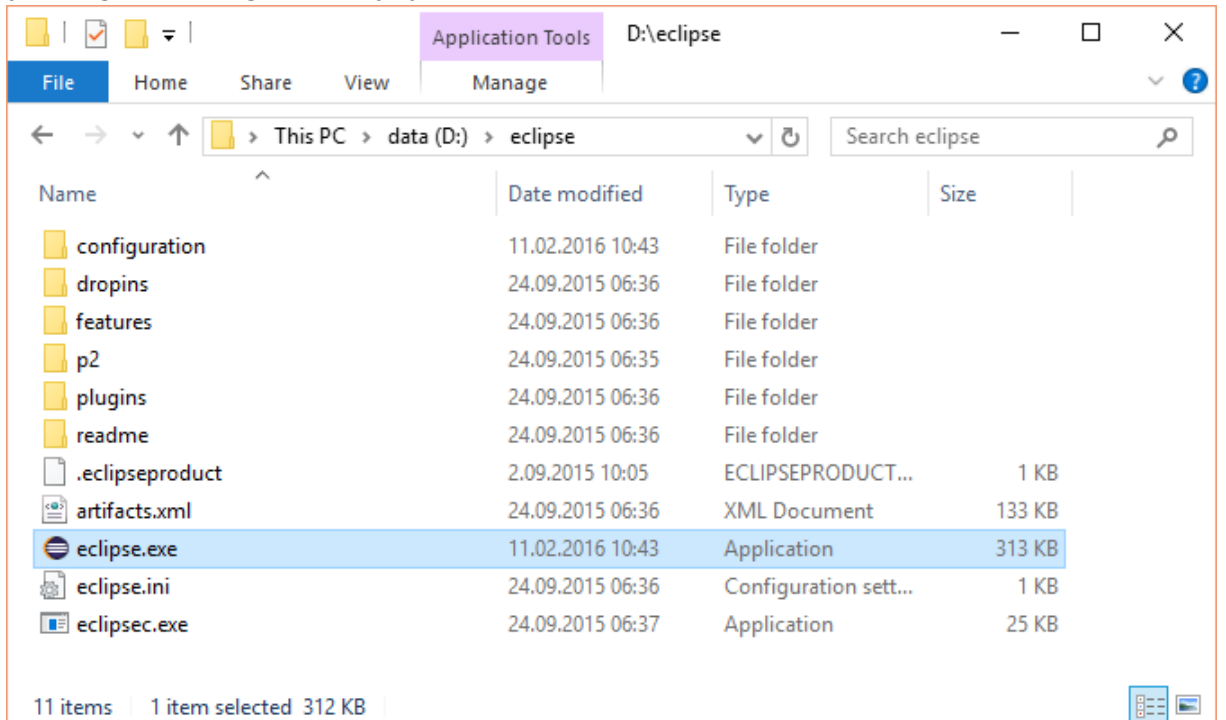
- Windows 32-bit
- Windows 64-bit
- Mac OS X (Cocoa) 64-bit
- Linux 32-bit
- Linux 64-bit

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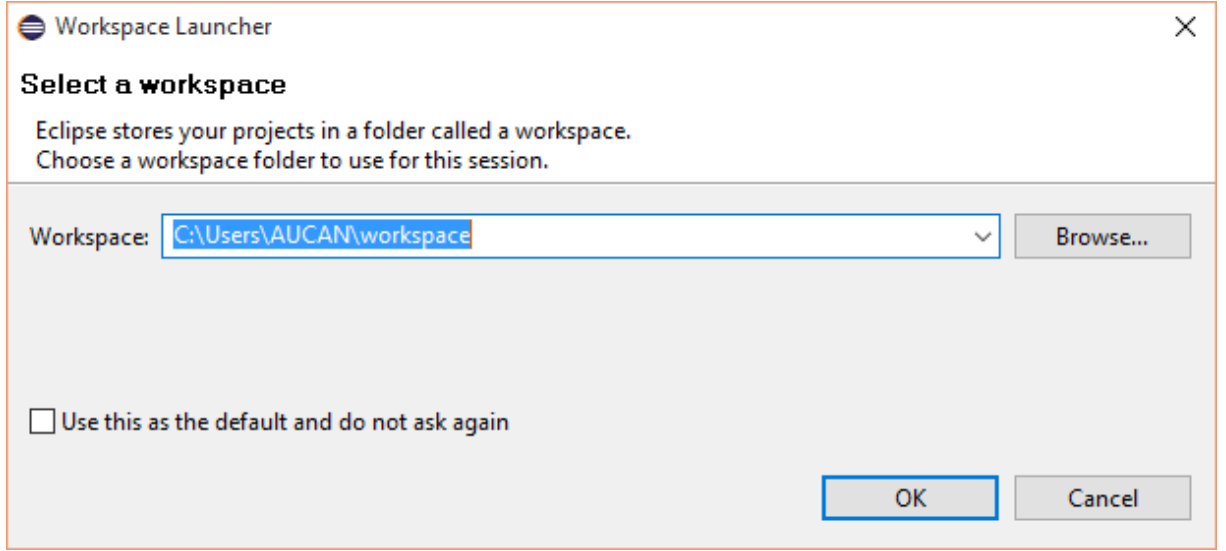
Bugzilla

4. İndirdiğiniz sıkıştırılmış paketi uygun bir yere çıkarın (Extract). Örnek olarak D: sürücüsü altına çıkarıldığında ekran görüntüsü şu şekilde olmalıdır.

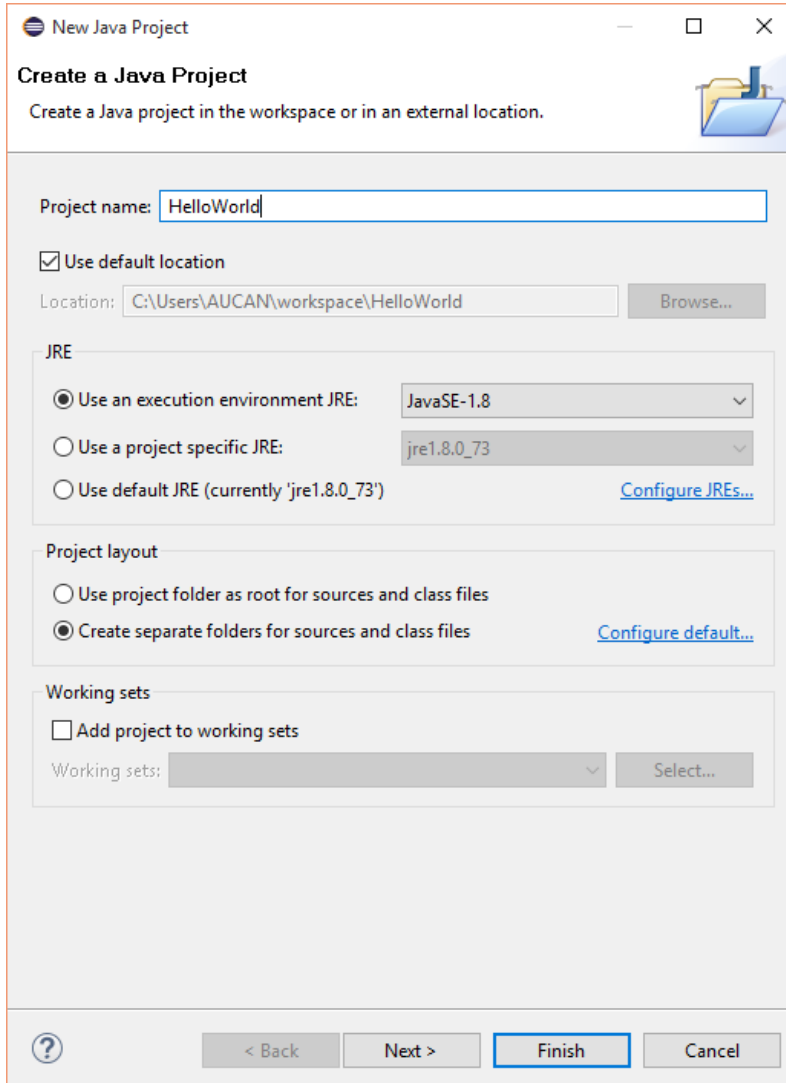


Uygulama Geliştirme

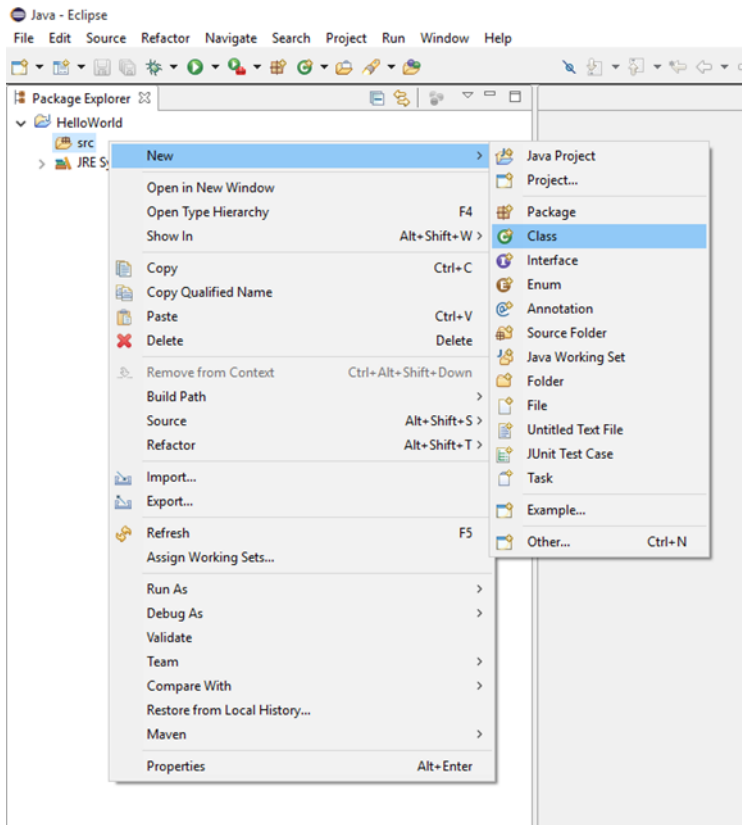
1. Eclipse uygulamasını çalıştırıp projeniz için bir yer seçin.



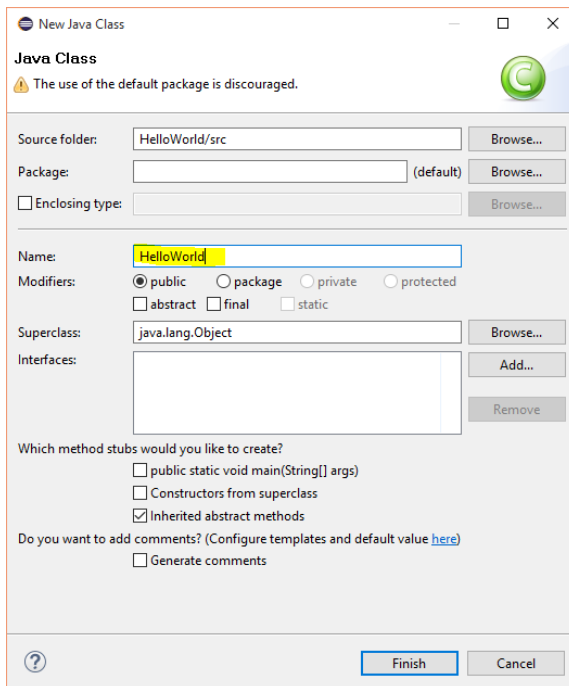
2. File -> New -> Java Project menüsünden projenize bir isim verin.



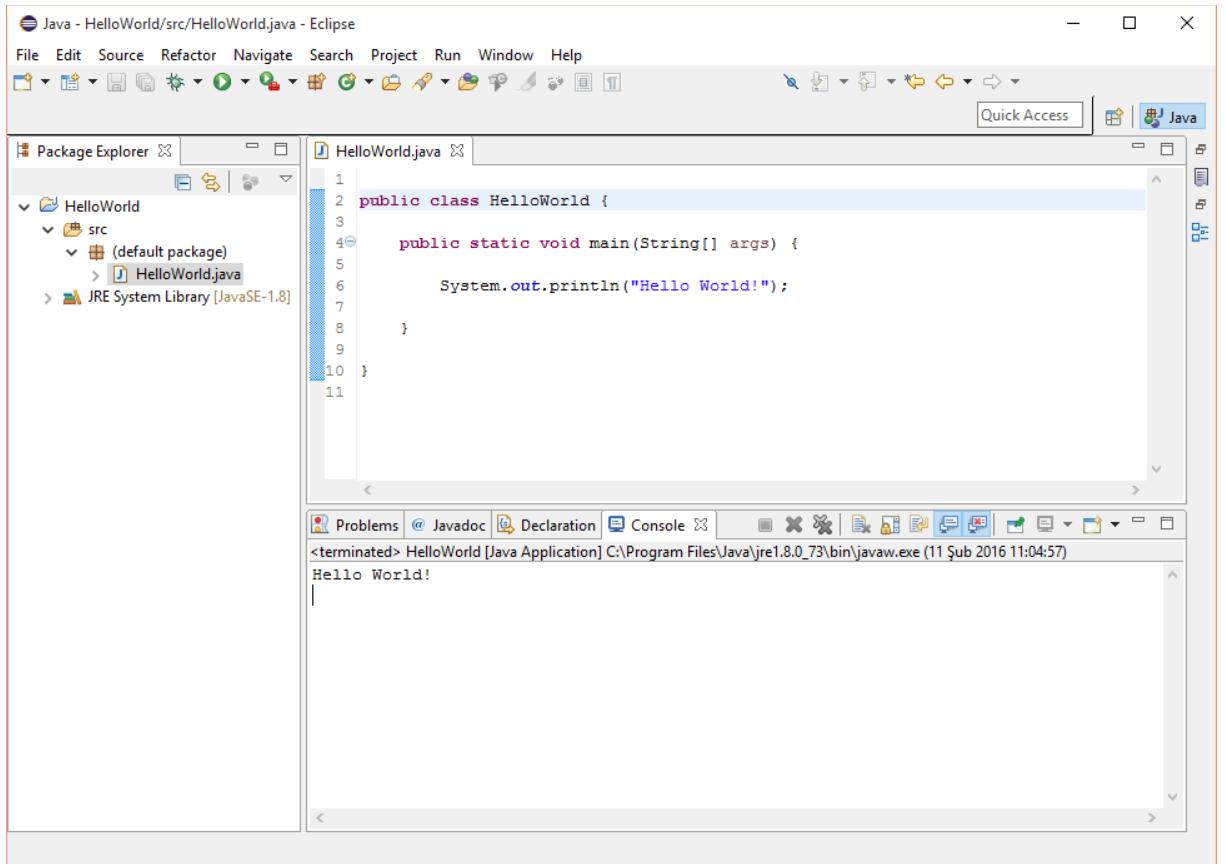
3. Workbench butonuna tıklayarak Project Explorer ekranına erişebilirsiniz.
4. Src klasörüne sağ tıklayıp New-> Class diyerek ilk sınıfınızı oluşturun.



5. Sınıf oluştururken bir isim verin. İlerleyen haftalarda package yapısı ve diğer ayarlar kullanılacaktır.

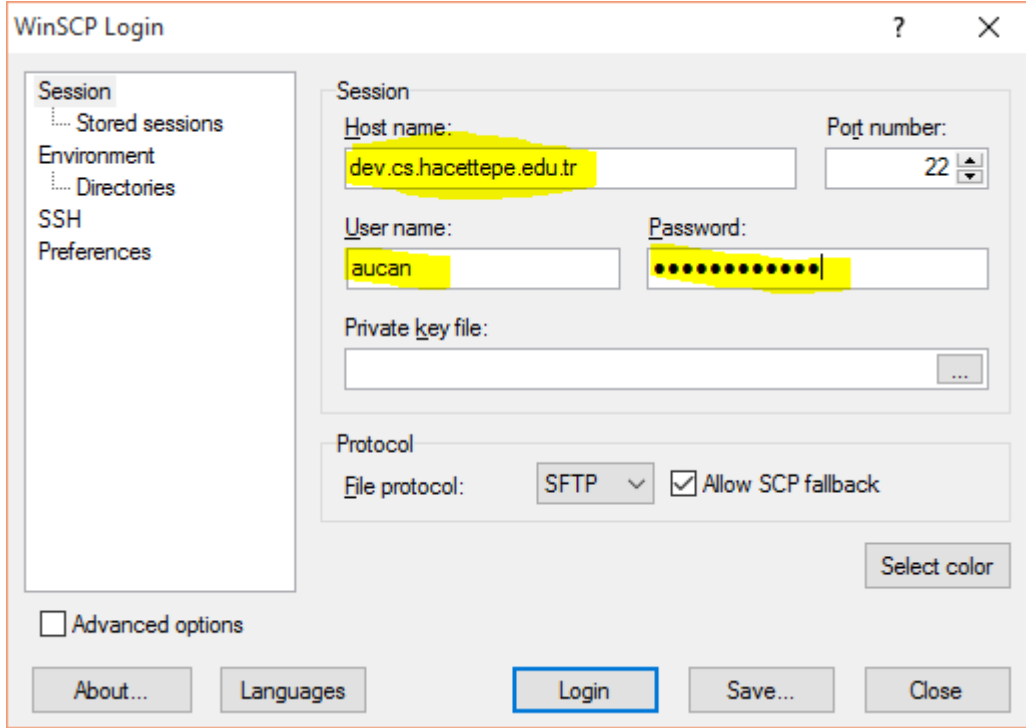


6. Ekrandaki kaynak kodu yazarak Run butonuna bastığınızda Console 'da çıktıyı görmelisiniz.

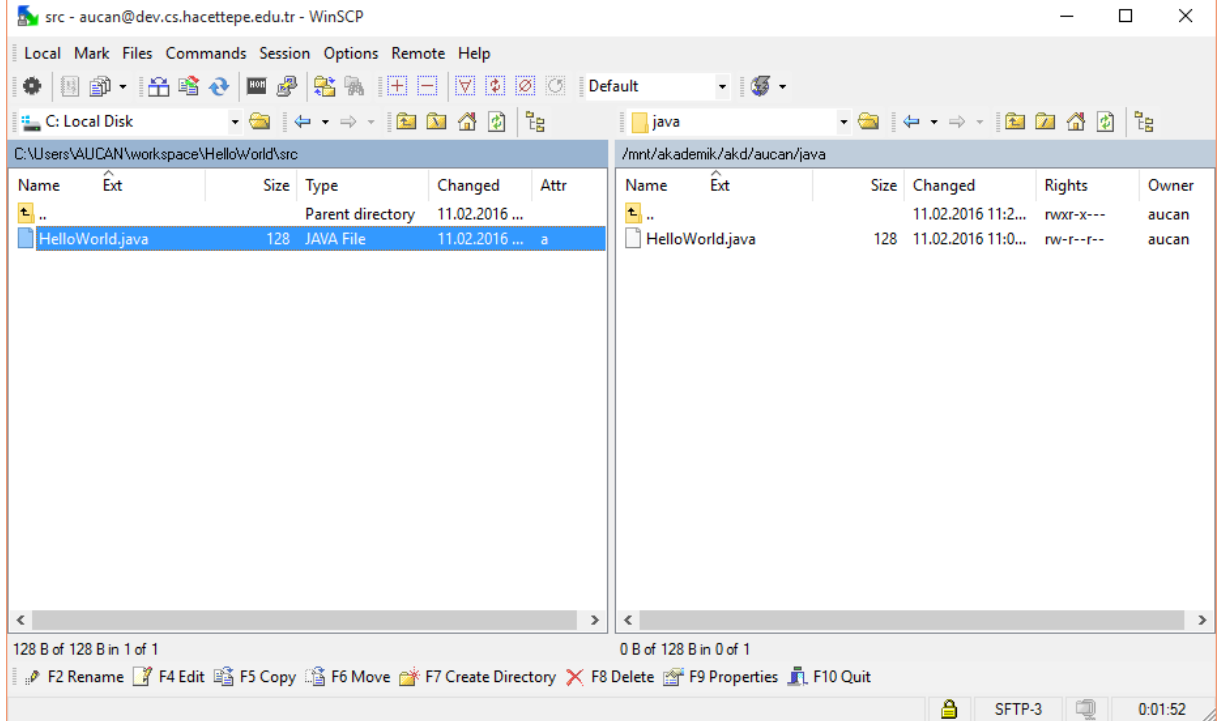


Bölüm Sunucuları Üzerinde Derleme

1. WinScp programını <https://winscp.net/eng/download.php> adresinden indirip kurun.
2. dev.cs.hacettepe.edu.tr sunucusuna bölüm hesabınızla (b2xxxxxx) bağlanın.

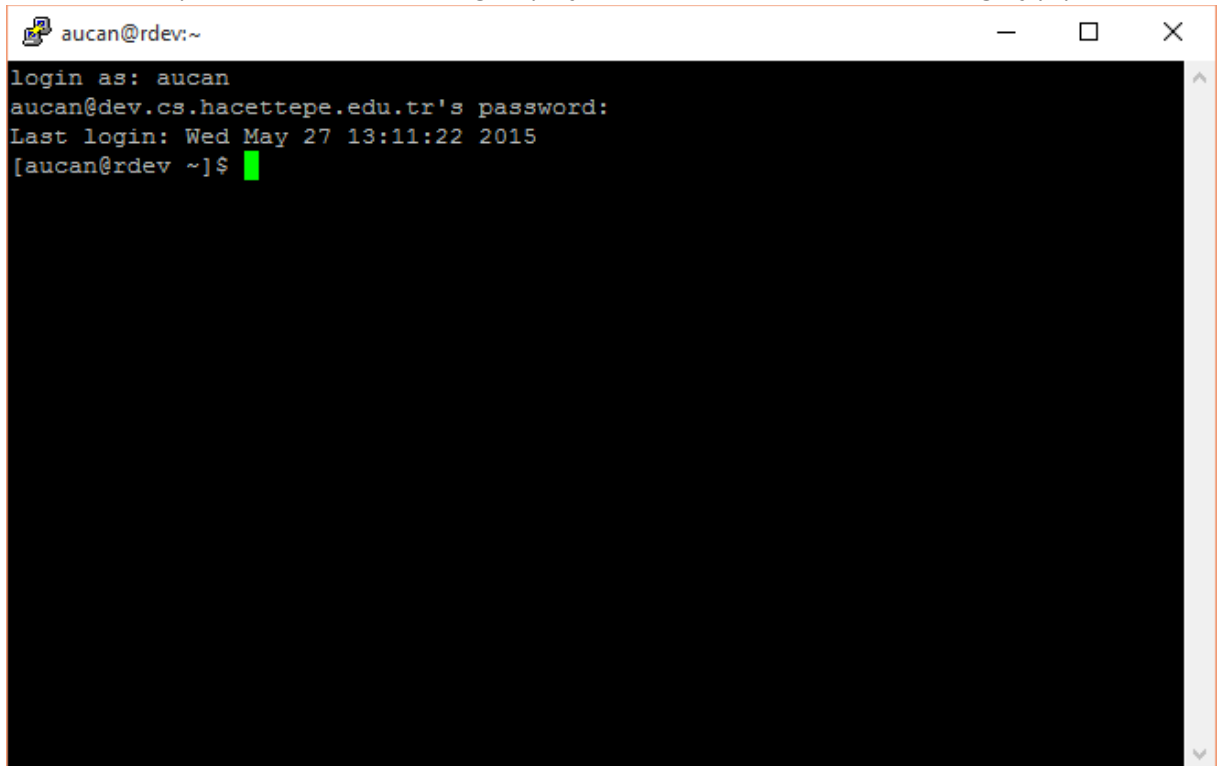


3. Kaynak kodunuzu bölüm hesabınıza yükleyin.



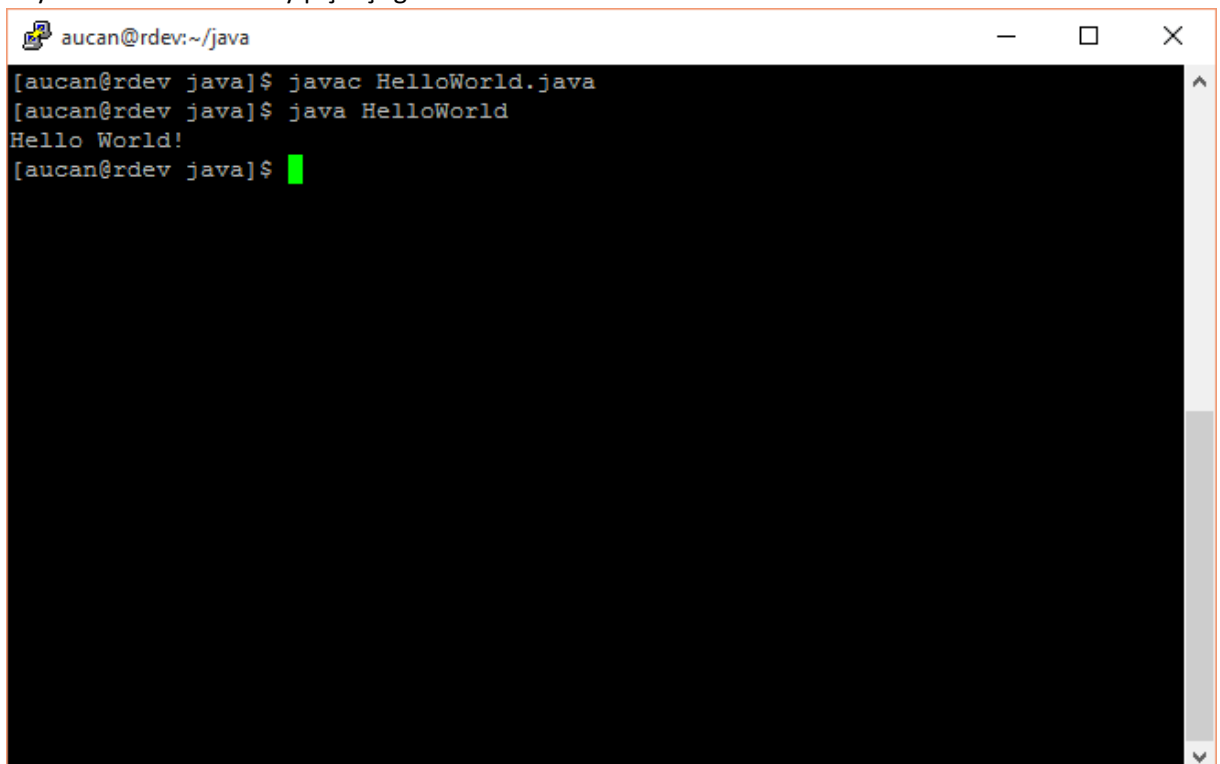
4. <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe> adresinden Putty programını indirin.

5. dev.cs.hacettepe.edu.tr sunucusuna bağlanıp açılan konsoldan bölüm hesabınızla giriş yapın.

A terminal window titled 'aucan@rdev:~' with standard window controls. The terminal shows the following text: 'login as: aucan', 'aucan@dev.cs.hacettepe.edu.tr's password:', 'Last login: Wed May 27 13:11:22 2015', and '[aucan@rdev ~]\$' followed by a green cursor.

```
aucan@rdev:~  
login as: aucan  
aucan@dev.cs.hacettepe.edu.tr's password:  
Last login: Wed May 27 13:11:22 2015  
[aucan@rdev ~]$
```

6. Kaynak kodunuzu derleyip çalıştırdığınızdan emin olun.

A terminal window titled 'aucan@rdev:~/java' with standard window controls. The terminal shows the following text: '[aucan@rdev java]\$ javac HelloWorld.java', '[aucan@rdev java]\$ java HelloWorld', and 'Hello World!' followed by '[aucan@rdev java]\$' and a green cursor.

```
aucan@rdev:~/java  
[aucan@rdev java]$ javac HelloWorld.java  
[aucan@rdev java]$ java HelloWorld  
Hello World!  
[aucan@rdev java]$
```