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## Ubuntu Linux: Install Eclipse Java Integrated Development Environment

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Q. How do I install Eclipse integrated development environment and write first program under
Ubuntu Linux Eclipse IDE?

A. Eclipse is free and open source integrated development environment (IDE) software. You
need to install Java JDK and JRE before installing Eclipse.

[1]

# Install Sun JDK and JRE

Open terminal and type the following commands to install Sun Java JDK and JRE [2]:

```
$ sudo apt-get install sun-java6-bin sun-java6-jre sun-java6-jdk
$ sudo vi /etc/jvm
```

Add following line at the top:

```
/usr/lib/jvm/java-6-sun
```

Set up environment:

```
$ echo 'export JAVA_HOME=/usr/lib/jvm/java-6-sun' >> ~/.bash_profile
$ echo 'export PATH=$PATH:$JAVA_HOME/bin' >> ~/.bash_profile
$ . ~/.bash_profile
```

Make sure you see correct JAVA version:

```
$ java -version
```

Sample output:

```
java version "1.6.0_06"
Java(TM) SE Runtime Environment (build 1.6.0_06-b02)
Java HotSpot(TM) Server VM (build 10.0-b22, mixed mode)
```

# Install Eclipse

Type the following command to install extensible Tool Platform, Java IDE, Java Development Tools plug-ins for
Eclipse:

```
$ sudo apt-get install eclipse eclipse-jdt
```
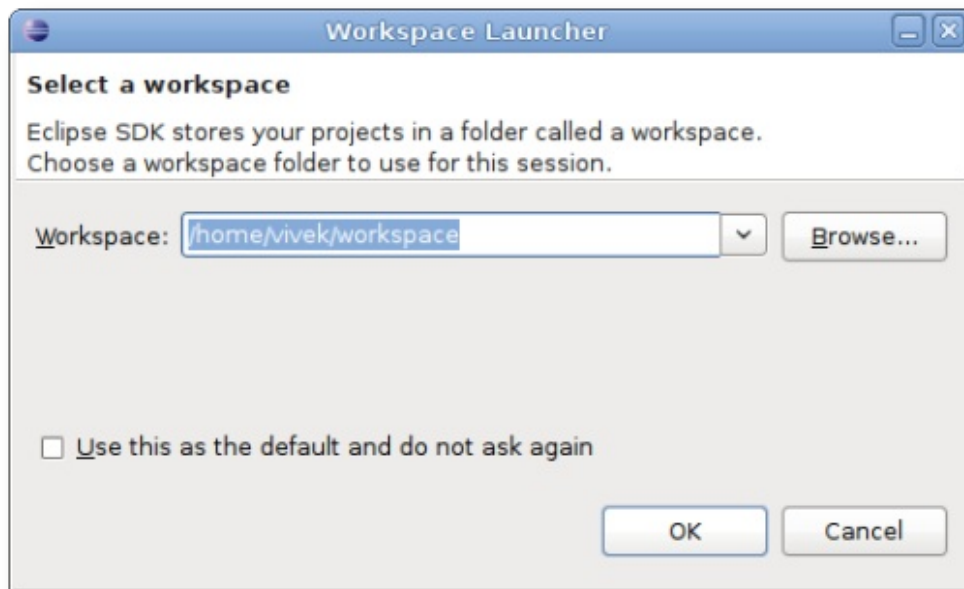
# How do I start eclipse?

Click on Applications > Programming > Eclipse

OR type the following command at shell prompt:

```
$ eclipse &
```

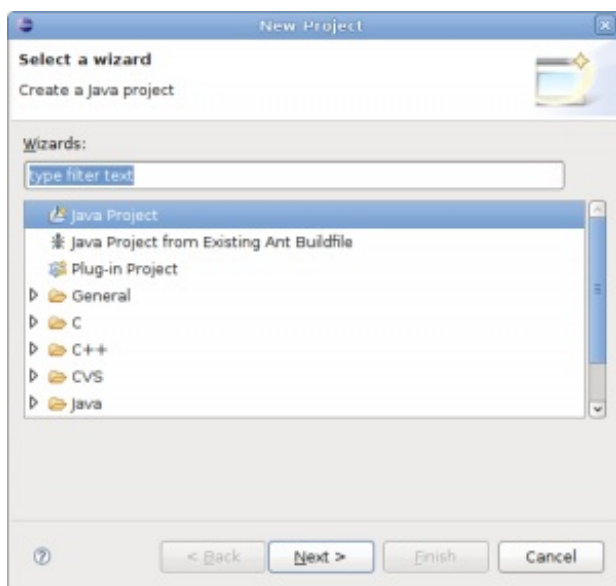You should see an eclipse splash screen followed by workspace launcher:

[3]

Fig.01: Eclipse IDE workspace Launcher

## Your first java program using Eclipse

Click Ok to load IDE. Close welcome screen. Click on Windows > Open perspective > Select Java .

### Step # 1: Create a project

You need to create a project to put all .java and related project files. Click on File > New > Project > Select Java Project



[4]

Fig.01: Creating first java project

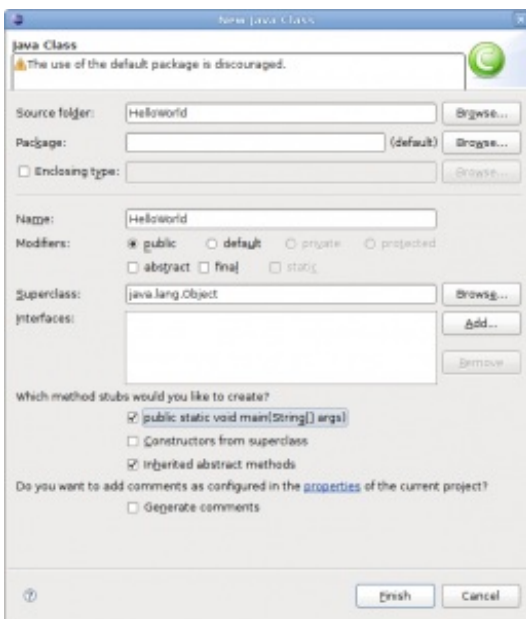Click Next > Type Project name "HelloWorld" > Click on Finish:

[5]

Fig.02: HelloWorld Project

## Step # 3: Create a new class

Now you need add a new class called HelloWorld. Click on File > New > Class > Set class name to "HelloWorld" > Select the checkbox to create the main() method > click Finish button:
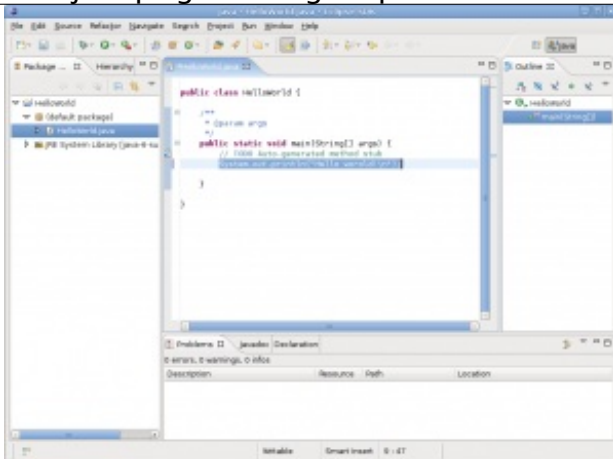


[6]

Fig.03: Adding your first class called HelloWorld

## Step # 3: Type the code

Type the following code inside main() method:

```
System [7].out.println("Hello world!\n");
```
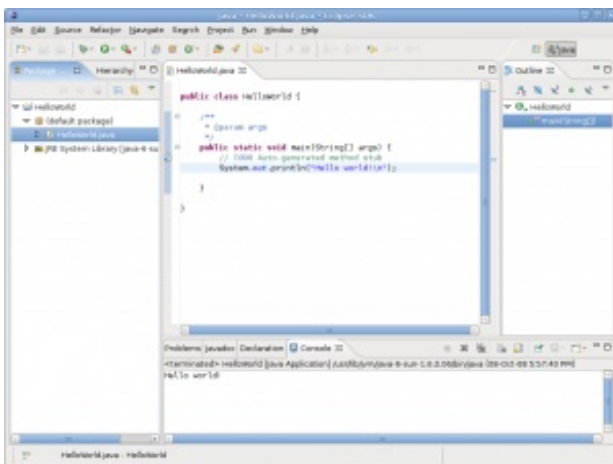
[8]

Fig.04: Your first java program using Eclipse Java IDE

Press CTRL + S to save program (or visit File > Save option).

## Step # 4: Run your first java application

To run your program Select HelloWorld.java from left panel. Click on Run > Run As > Java Application :



[9]

Fig.05: Java program output at the bottom of IDE

The Console view should appear at the bottom of the IDE to display the "Hello, world!" output.

> **Continue reading rest of the** *Eclipse Tutorials* **series (TOC):**
>
> 1. Ubuntu Linux: Install Eclipse Java Integrated Development Environment

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[1] Image: **http://www.cyberciti.biz/faq/category/ubuntu-linux/**
[2] install Sun Java JDK and JRE: **http://www.cyberciti.biz/faq/howto-ubuntu-linux-install-configure-jdk-jre/**

[3] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-workspace-lanucher.png**

[4] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-java-project-1.png**

[5] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-java-project-2.png**

[6] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-java-project-3.png**

[7] **System**: **http://www.google.com/search? hl=en&q=allinurl%3ASystem+java.sun.com&btnI=I%27m%20Feeling%20Lucky**

[8] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-java-project-4.png**

[9] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/10/eclipse-java-project-5.png**