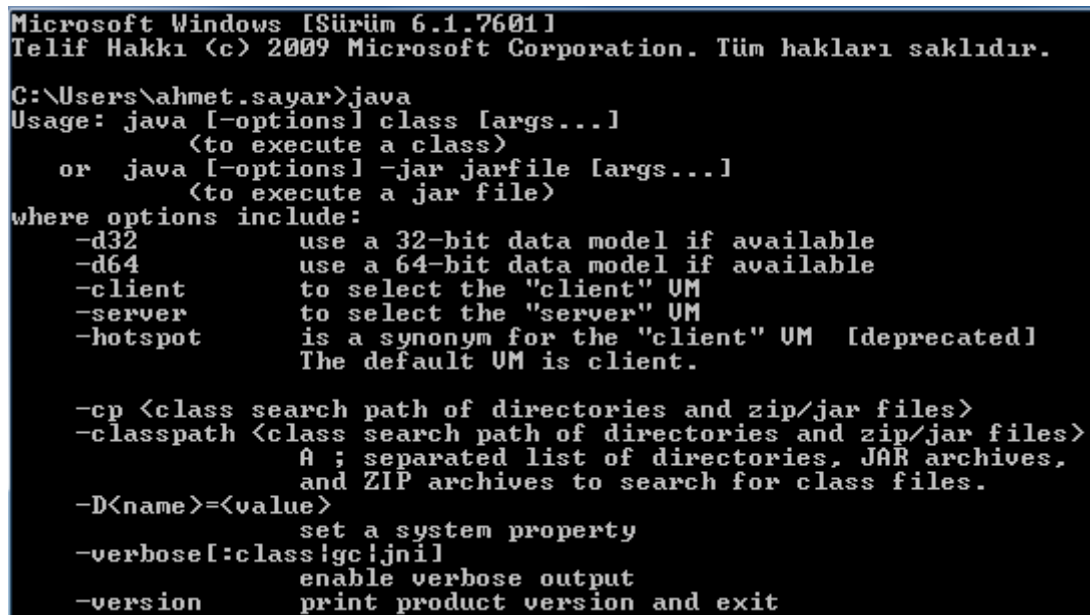# Lab-1: 10.10.2023 Monday

Compiling a simple program from the command console

Make sure java SDK is installed on your machine.
Open a command console
Start -> cmd -> enter
Type command "java"

Did you see something like the figure above? If YES, it means java SDK (or JDK) is installed and you are ready to compile and run any java class. If NO you need to install java SDK.

Please do somethings listed below before trying to compile and run any java class. First, install java SDK from the official web site. And then, right click on My Computer -> properties -> Advanced systesm Settings -> Environment Variables -> find variable PATH

Add path to java bin directory (example: C:\Program Files\Java\jdk1.7.0_02\bin) to end of PATH variable. This is very old java version. You need to find one of the latest java versions.

Appication:

Go to any location C:\[any_lcation]
Create a folder named greetings.
Go to C:\[any_lcation] \ greetings

Open a text file and copy-paste below Hello.java class into it and save.

```
package greetings;

public class Hello {
   public static void main(String[] args) {
      for (int i=0; i < args.length; i++) {
         System.out.println("Hello " + args[i]);
      }
   }
}
```

Put Hello.java into C:\[any_lcation] \ greetings
You should see Hello.java under that director as below:

C:\[any_lcation] \ greetings> dir
Hello.java

You can create this file by using textpad or nodpad. This file is automatically saved as .txt
files. Try to convert it to .java. To do so follow the below steps.

Tools – Folder Options – View – remove the tick from "Hide extensions for known file types"

Turkce ise windows:
1. Windows Gezgini'ni başlatın; bunun için herhangi bir klasörü açmanız yeterlidir.
2. Düzenle'yi tıklatın.
3. Klasör ve arama seçenekleri'ni tıklatın.
4. Görünüm sekmesini tıklatın.
5. Bilinen dosya türleri için uzantıları gizle seçeneğini bulun ve onay kutusunu tıklatarak seçimini kaldırın.
6. Tamam'ı tıklatın.

Hello.txt dosyasinin txt uzantisi gorunce txt yi java yapin. Artik Hello.txt Hello.java olmustur
ve compile edilebilir haldedir.

Lets compile and run as below:
Locate yourself in C:\[any_lcation] >

C:\[any_lcation] > **javac greetings/Hello.java**
C:\[any_lcation] > **dir greetings**
Hello.class   Hello.java
C:\[any_lcation] > **java greetings.Hello World Universe Everyone**
Hello World
Hello Universe
Hello Everyone