

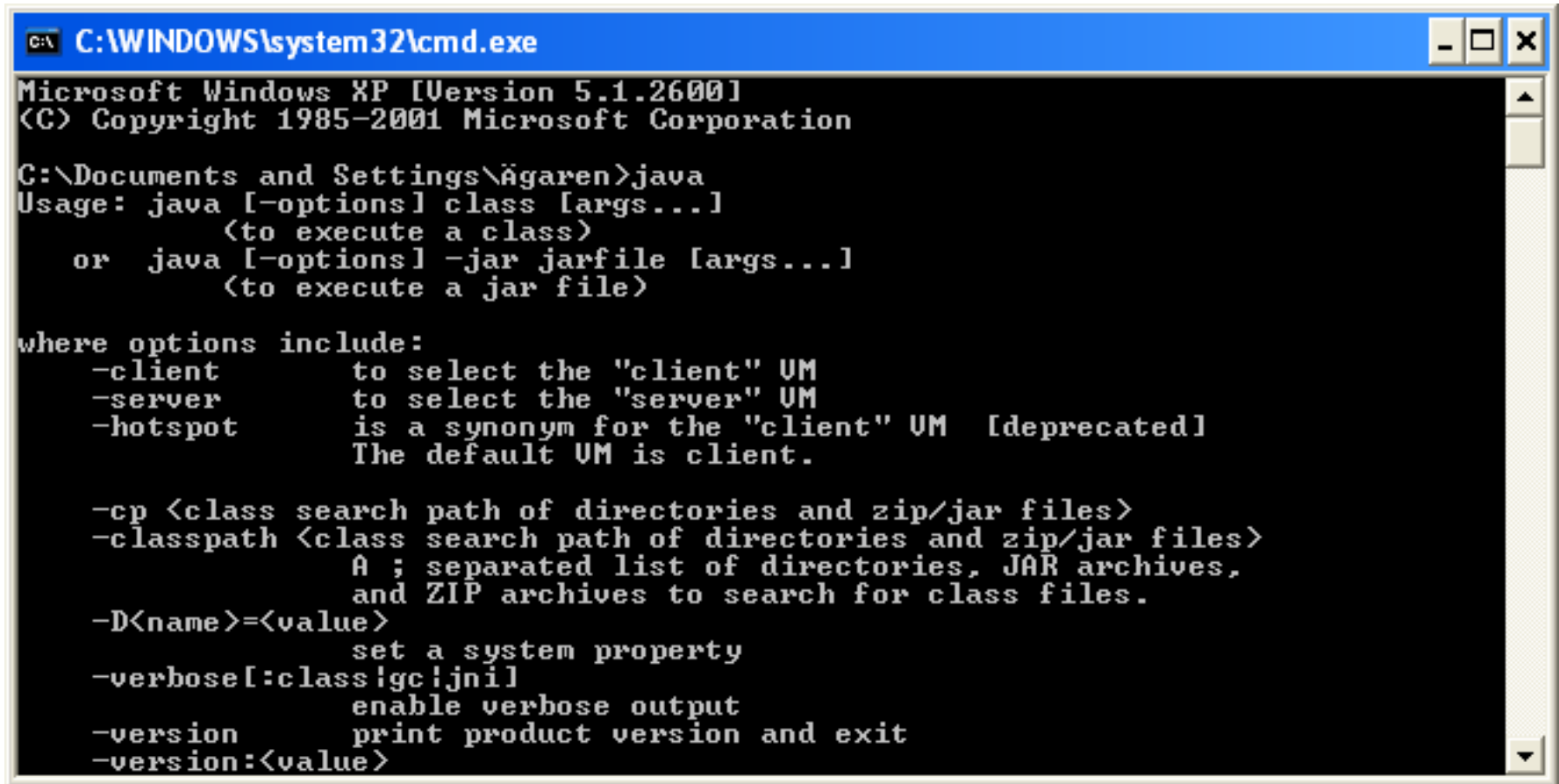
Mitt första Java-program i NetBeans

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Dubbelkolla detta

- ▶ Se till att du har den senaste versionen av Java JDK installerad och att sökvägarna är rätt konfigurerade.
- ▶ Testa detta genom att starta kommandotolken (Start → Kör . Skriv **CMD** → Enter)
Eller Terminalen om du har Mac.
- ▶ Skriv **Java** och sedan Enter
Om du inte ser något felmeddelande och skärmen visar många rader med parametrar så finns Java i din dator.
- ▶ Gör samma sak med kompilatorn.
Skriv **javac** och sedan Enter.
- ▶ Se nästa bild...

Finns Java i din dator?



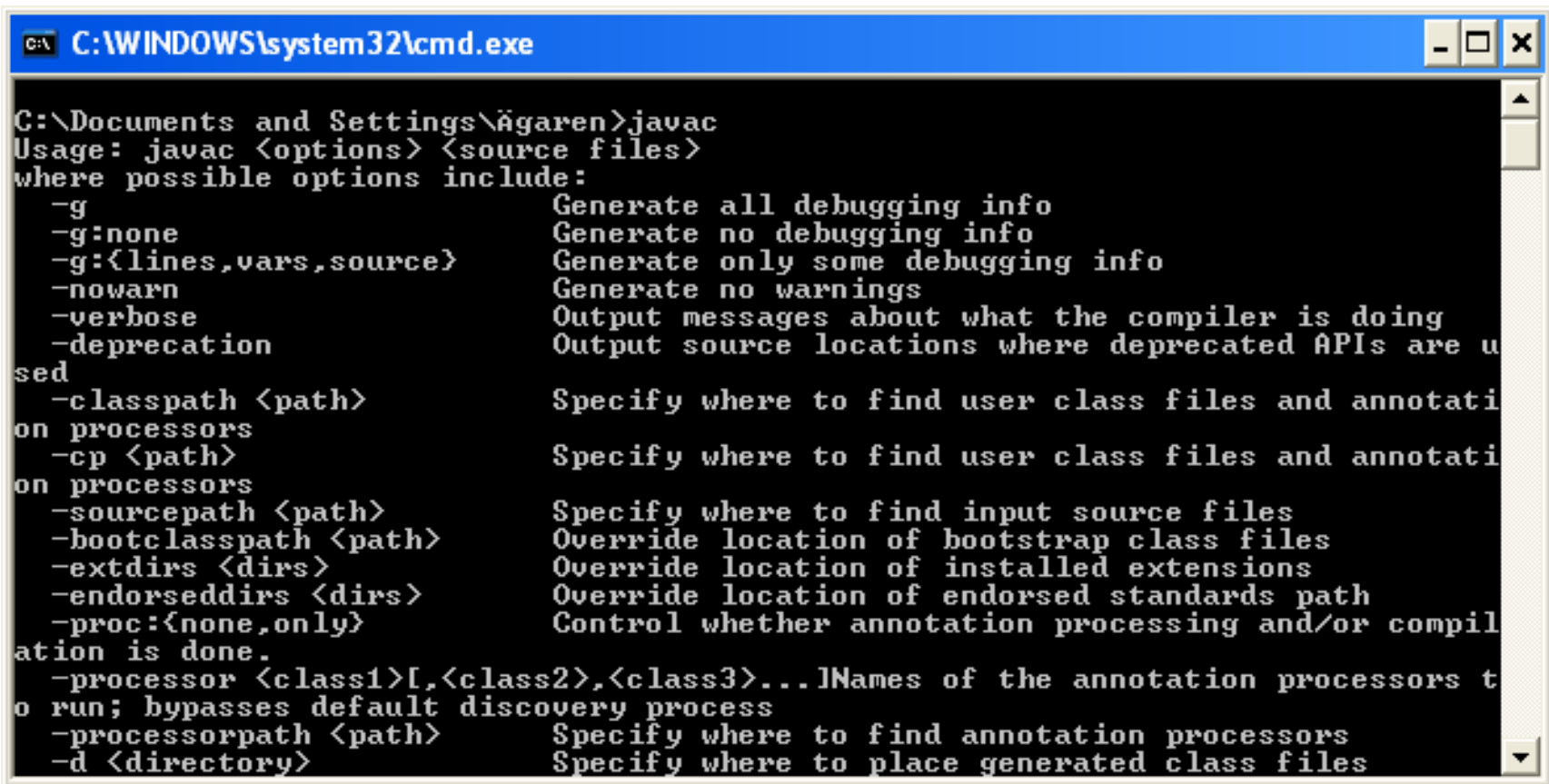
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corporation

C:\Documents and Settings\Ågaren>java
Usage: java [-options] class [args...]
           (to execute a class)
   or  java [-options] -jar jarfile [args...]
           (to execute a jar file)

where options include:
  -client           to select the "client" VM
  -server           to select the "server" VM
  -hotspot          is a synonym for the "client" VM [deprecated]
                   The default VM is client.

  -cp <class search path of directories and zip/jar files>
  -classpath <class search path of directories and zip/jar files>
                   A ; separated list of directories, JAR archives,
                   and ZIP archives to search for class files.
  -D<name>=<value> set a system property
  -verbose[:class|gc|jni]
                   enable verbose output
  -version          print product version and exit
  -version:<value>
```

Finns Javac i din dator?



```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\Ägaren>javac
Usage: javac <options> <source files>
where possible options include:
  -g                Generate all debugging info
  -g:none           Generate no debugging info
  -g:<lines,vars,source> Generate only some debugging info
  -nowarn           Generate no warnings
  -verbose          Output messages about what the compiler is doing
  -deprecation      Output source locations where deprecated APIs are used
  -classpath <path> Specify where to find user class files and annotation processors
  -cp <path>        Specify where to find user class files and annotation processors
  -sourcepath <path> Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>    Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
  -proc:<none,only> Control whether annotation processing and/or compilation is done.
  -processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run; bypasses default discovery process
  -processorpath <path> Specify where to find annotation processors
  -d <directory>    Specify where to place generated class files
```

Tips

- ▶ Saknar du Java eller har du problem med att konfigurera kompilatorn?
Gå igenom denna presentation

http://webacademy.se/kurser/java/Ladda_ner_och_installera_java.pdf

- ▶ Får du följande felmeddelande "NoClassDefFoundError"?
Gå igenom denna presentation

http://webacademy.se/kurser/java/java_NoClassDefFoundError.pdf

Skapa en mapp

- ▶ Börja alltid med att planera och strukturera ditt arbete.
- ▶ Skapa mappen "javafiler".



NetBeans

- ▶ NetBeans är en fri integrerad utvecklingsmiljö (IDE) som används för att skriva olika program, bland annat Javaprogram.
- ▶ NetBeans finns att ladda ner som ett paket med Java JDK från Oracles hemsida eller separat från www.netbeans.org

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Java SE Downloads



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Java Platform (JDK) 8u101 / 8u102



DOWNLOAD ↓

NetBeans with JDK 8

Skapa ett nytt projekt i NetBeans

- ▶ Gå till File och välj "New Project..."

NetBeans IDE 8.1

File Edit View Navigate Source Refactor R



New Project...

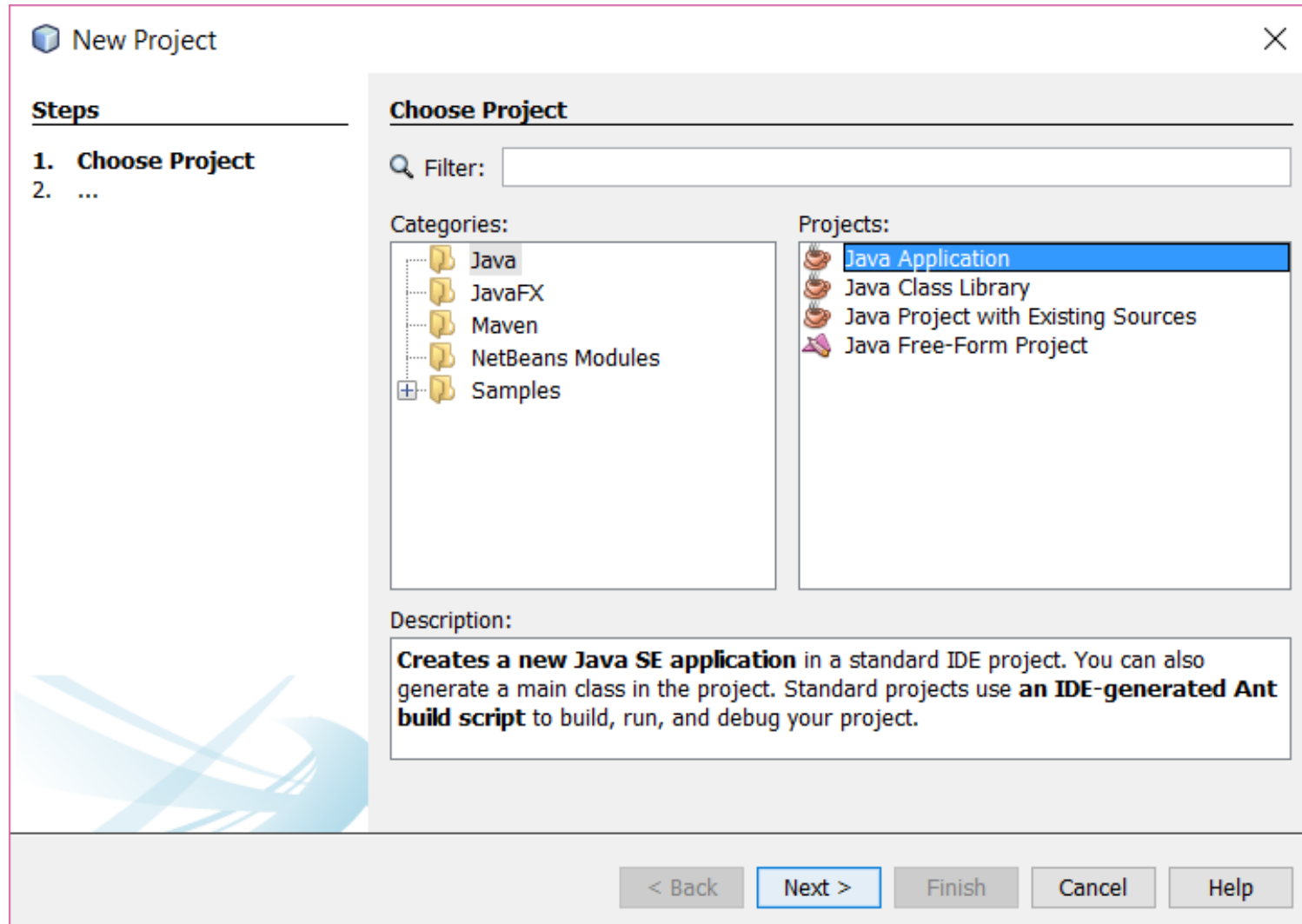
Ctrl+Skift+N



New File...

Ctrl+N

Välj "Java Application"



New Project [Close]

Steps

1. **Choose Project**
2. ...

Choose Project

Filter:

Categories:

- Java
- JavaFX
- Maven
- NetBeans Modules
- Samples

Projects:

- Java Application**
- Java Class Library
- Java Project with Existing Sources
- Java Free-Form Project

Description:

Creates a new Java SE application in a standard IDE project. You can also generate a main class in the project. Standard projects use **an IDE-generated Ant build script** to build, run, and debug your project.

< Back **Next >** Finish Cancel Help

Ange projektnamn och plats

Steps

1. Choose Project
2. **Name and Location**

Name and Location

Project Name: Hej

Project Location: C:\javafiler Browse...

Project Folder: C:\javafiler\Hej

Use Dedicated Folder for Storing Libraries

Libraries Folder:

Different users and projects can share the same compilation libraries (see Help for details).

Create Main Class hej.Hej

< Back Next > **Finish** Cancel Help

Bläddra efter din mapp
t.ex. javafiler

Kryssa i
Create Main class

Skriv din källkod i metoden main efter // TODO... enligt bilden nedan

```
14 public class Hej {
15
16     /**
17      * @param args the command line arguments
18      */
19     public static void main(String[] args) {
20         // TODO code application logic here
21         System.out.println("Hej");
22     }
23
24 }
```

Gå till menyn Run och välj "Run Project"

Run Debug Profile Team Tools Window Help



Run Project (Hej)

F6



Titta längst ner i panelen "Output"

Output - Hej (run)



```
run:
```



```
Hej
```



```
BUILD SUCCESSFUL (total time: 0 seconds)
```

