

Programming Environment

Outline

① Programming Environment

② Working on a Project

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Linux, Mac, or Windows operating system configured with the software needed for the course



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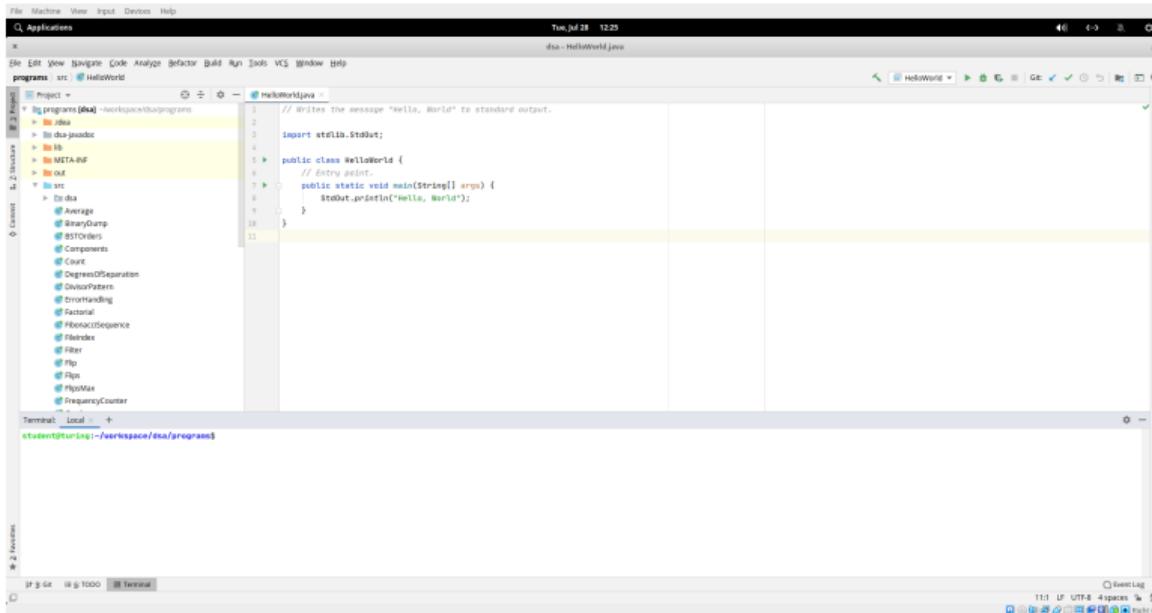


Tools we will use: web browser 🌐, IntelliJ IDE 🖥, terminal ☈, and file manager 📁

Programming Environment

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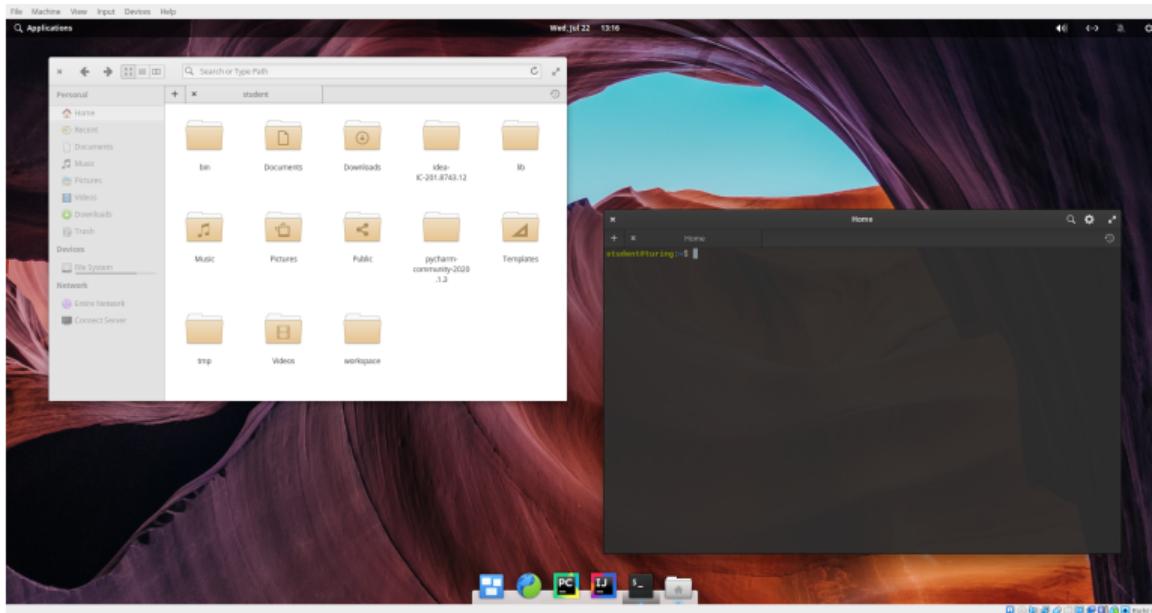
Use IntelliJ IDE  to create/edit/debug/run Java programs



Programming Environment

Programming Environment

Use terminal  and file manager  to navigate the file system



Working on a Project

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Download `https://www.cs.umb.edu/~siyer/teaching/cs210/project1.zip` under `~/workspace` (`~` is shorthand for the user's home directory)

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Launch terminal

```
>_ ~  
$ _
```

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Launch terminal

```
>_ ~  
$ _
```

Change directory to `~/workspace`

```
>_ ~  
$ cd ~/workspace
```

Working on a Project

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Launch terminal

```
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$ _
```

Change directory to `~/workspace`

```
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```

Extract the downloaded zip file

```
>_ ~/workspace  
$ unzip project1.zip
```

Working on a Project

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List current directory

```
>_ ~/workspace  
$ ls  
project1 project1.zip
```

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Remove the zip file

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$ rm project1.zip
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Working on a Project

List current directory

```
>_ ~/workspace  
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project1 project1.zip
```

Remove the zip file

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>_ ~/workspace  
$ rm project1.zip
```

Exit the terminal

```
>_ ~/workspace  
$ exit
```

Working on a Project

Working on a Project

Open `~/workspace/project1` in IntelliJ to work on the programs

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Compile a program (eg, `src/PercolationStats.java`) into the directory `out` on the IntelliJ terminal

```
>_ ~/workspace/project1  
$ javac -d out src/PercolationStats.java
```

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Compile a program (eg, `src/PercolationStats.java`) into the directory `out` on the IntelliJ terminal

```
>_ ~/workspace/project1  
$ javac -d out src/PercolationStats.java
```

Run a program (eg, `out/PercolationStats.class`) on the IntelliJ terminal

```
>_ ~/workspace/project1  
$ java PercolationStats 100 1000
```

Working on a Project

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Check a program (eg, `src/PercolationStats.java`) for coding style on the IntelliJ terminal

```
>_ ~/workspace/project1  
$ check_style src/PercolationStats.java
```

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Use the web browser  to sign on to Gradescope and upload the project files