

Outline

1 Programming Environment

2 Working on a Project



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



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



Tools we will use: web browser ∅, IntelliJ IDE ■, terminal ■, and file manager ■



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

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Use terminal ■ and file manager ≡ to navigate the file system





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

>_

Φ _

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

Launch terminal

>_ -\$ _

Change directory to ~/workspace

>_ ~

\$ cd ~/workspace

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

Launch terminal



Change directory to ~/workspace

\$ cd ~/workspace

Extract the downloaded zip file

```
>_ "/workspace

$ unzip project1.zip
```



List current directory

>_ "/workspace \$ ls project1 project1.zip

List current directory

```
>_ ~/Workspace

$ ls
project1 project1.zip
```

Remove the zip file

```
>_ */workspace

$ rm project1.zip
```

List current directory

```
>_ "/workspace

$ 1s
project1 project1.zip
```

Remove the zip file

```
>_ */workspace

$ rm project1.zip
```

Exit the terminal

```
>_ "/vorkspace

$ exit
```



Open $\mbox{\ensuremath{^{^{^{\prime}}}}{\sc Workspace/project1}}$ in IntelliJ to work on the programs

Compile a program (eg, $_{\tt src/PercolationStats.java})$ into the directory $_{\tt out}$ on the IntelliJ terminal

>_ ~/workspace/project:

\$ javac -d out src/PercolationStats.java

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

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

```
$ javac -d out src/PercolationStats.java
```

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

```
$ java PercolationStats 100 1000
```

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

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

```
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```

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

```
$ java PercolationStats 100 1000
```

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