

# Programming Environment

Data Structures and Algorithms in Java



# Outline

# Outline

Programming Environment

Working on a Programming Assignment

# Outline

## Programming Environment

Working on a Programming Assignment

# Outline

Programming Environment

Working on a Programming Assignment

# Outline

Programming Environment

Working on a Programming Assignment





# Programming Environment

# Programming Environment

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

# Programming Environment

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

Tools we will use:

# Programming Environment

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

Tools we will use:

- Visual Studio Code (aka VSCode)

# Programming Environment

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

Tools we will use:

- Visual Studio Code (aka VSCode)
- File manager

# Programming Environment

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

Tools we will use:

- Visual Studio Code (aka VSCode)
- File manager
- Terminal

# Programming Environment

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

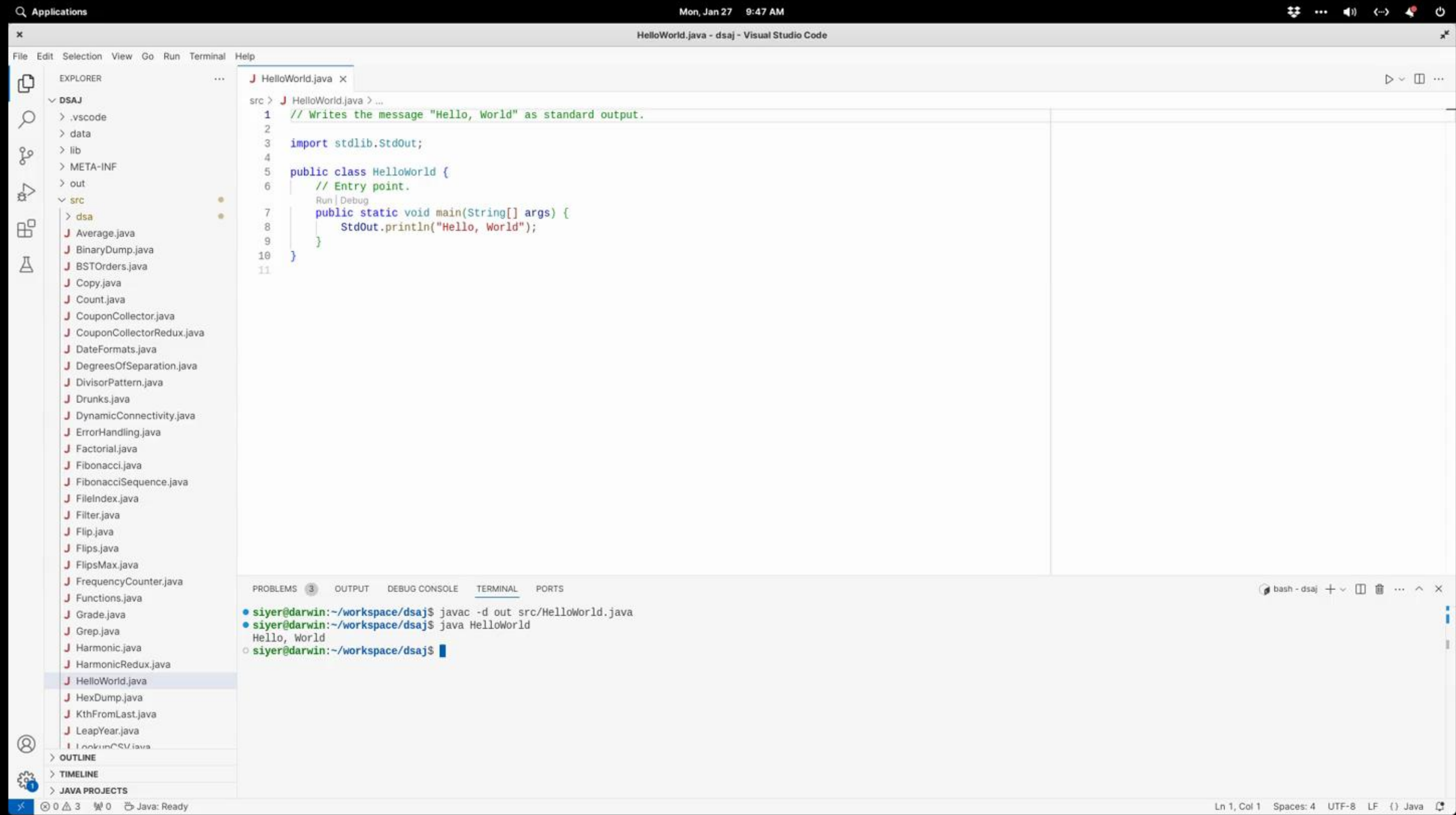
Tools we will use:

- Visual Studio Code (aka VSCode)
- File manager
- Terminal
- Web browser

# Programming Environment



# Programming Environment





# Working on a Programming Assignment

# Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

# Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ _
```

## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

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



## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ javac -d out src/GreatCircle.java  
$ _
```



## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ javac -d out src/GreatCircle.java  
$ _
```

To run the generated program `out/GreatCircle.class`, execute the following command

```
$ _
```

## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ javac -d out src/GreatCircle.java
$ _
```

To run the generated program `out/GreatCircle.class`, execute the following command

```
$ java GreatCircle 48.87 -2.33 37.8 -122.4
```

## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ javac -d out src/GreatCircle.java
$ _
```

To run the generated program `out/GreatCircle.class`, execute the following command

```
$ java GreatCircle 48.87 -2.33 37.8 -122.4
8701.387455462233
$ _
```



## Working on a Programming Assignment

Download and unzip the assignment (eg, `simple_programs.zip`) under `~/workspace`

Launch VSCode and open the folder `~/workspace/simple_programs`

To compile a program (eg, `GreatCircle.java`), execute the following command in the VSCode terminal

```
$ javac -d out src/GreatCircle.java
$ _
```

To run the generated program `out/GreatCircle.class`, execute the following command

```
$ java GreatCircle 48.87 -2.33 37.8 -122.4
8701.387455462233
$ _
```

Use the web browser to sign on to Gradescope and upload your files (`*.java` and `notes.txt`)

