

# Homework 1 - Introduction to Java

In this homework we are going to explore the basics of the Java programming language.

Before starting you will need a way to write, compile and run Java code. You may want to consider downloading an IDE, such as eclipse. However that step is not required

All homeworks will also need to be uploaded to submitty for a grade but the majority of testing and debugging should be done locally.

Each part of this assignment should be submitted using the following files names.

part1.java

part2.txt

part3.txt

## Part 1

For our very first program we are going to code a classic. It is known as a Hello World application.

When this program executes the output should be

Hello World

Once you are able to run this on your machine this will confirm you are able to run java code.

## Part 2

what is the best data type to represent each of the following (in java), answers may be used more than one or never (char, int, char \* , double, Scanner, boolean, String, answer1)

"Password"

'q'

432

324.169

238.0

false

Answer the following questions in a text file with one answer per line for example

answer1

answer2

answer3

answer4

Be sure your file ends with a .txt extension. Files written using

microsoft work or pages will not work.

## Part 3

Try doing this part without coding first then type the solutions into a text file

```
int a = 4, b = 5, c = 3, d = 2, e = 8, f = 21, g = 6;
```

```
double h = 4.0;
```

```
a + b
```

```
a * b
```

```
a - b
```

```
a / b
```

```
c / d
```

```
e % a
```

```
f % g
```

```
h / d
```