ON CAMPUS

Tap in with your ID card in a UEL lab



REMOTE

Click on the Tap in tab in the General channel of the Teams site

Aaron Kans Tuesday 11:33 AM Added a new tab at the top of this channel. Here's a link.



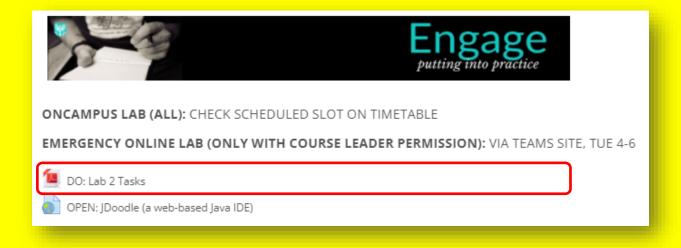
Tap In

MOODLE



Open up your lab tasks for today

MOODLE



Open up your lab tasks for today

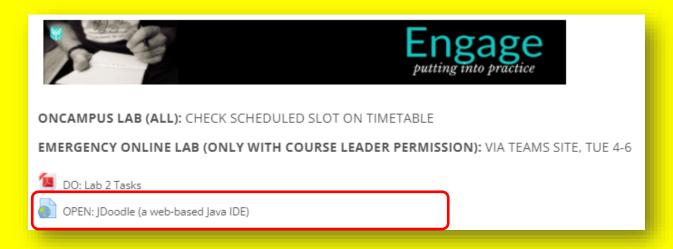
In this module we will use the on-line JDoodle tool to write Java code.

https://www.jdoodle.com/online-java-compiler/



Find a link to JDoodle in your worksheet

TEAMS



You can also find a link to JDoodle on Moodle

- a) Run the existing Java program by hitting the Execute button.
- b) Remove the ';' at the end of line 7 and see what happens when you try and run the program
- c) Add the ';' back into the program and re-run the code.
- d) Download the program by clicking the three dots then selecting "Save (to local file)" and keep this for your records.



 Delete the code within the main method, rename the class ZodiacApp and align the braces as follows:

- Write two lines of code, one to print your name and one to print your Zodiac Sign (or month of birth).
- g) Run your program, ensuring you have no errors, and check your results. For example:

Aaron Kans

 Download this program for your records and then upload it to the Moodle site using the submission link. Read and work through these lab tasks

- a) Run the existing Java program by hitting the Execute button.
- b) Remove the ';' at the end of line 7 and see what happens when you try and run the program
- c) Add the ';' back into the program and re-run the code.
- d) Download the program by clicking the three dots then selecting "Save (to local file)" and keep this for your records.



 Delete the code within the main method, rename the class ZodiacApp and align the braces as follows:

```
1 public class ZodiacApp

2-{
3     public static void main(String args[])
4- {
5     |
6     }
7 }
```

- f) Write **two lines of code**, one to print your name and one to print your Zodiac Sign (or month of birth).
- g) Run your program, ensuring you have no errors, and check your results. For example:

h) Download this program for your records and then upload it to the Moodle site using the submission link.

Lets start by looking at tasks (a) to (d)

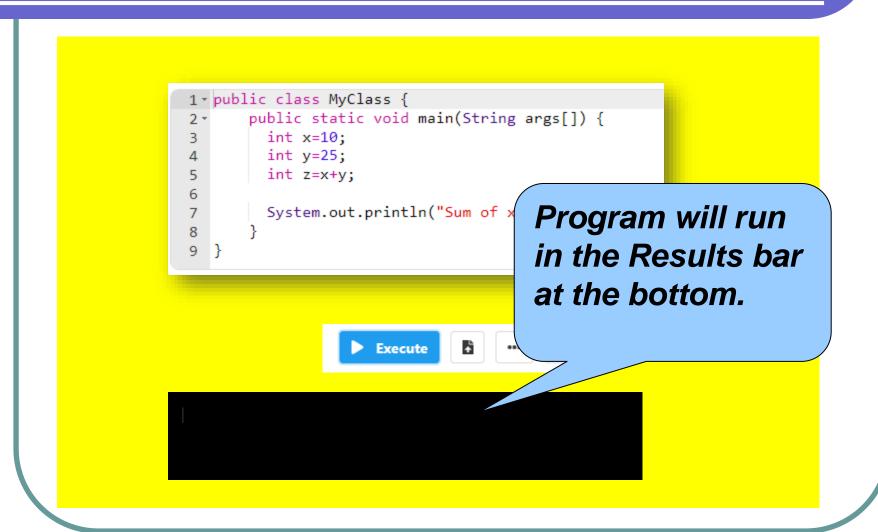
```
1 public class MyClass {
2 public static void main(String args[]) {
3    int x=10;
4    int y=25;
5    int z=x+y;
6
7    System.out.println("Sum of x+y = " + z);
8    }
9 }
```

JDoodle opens with this sample Java program

```
1 public class MyClass {
2 public static void main(String args[]) {
3    int x=10;
4    int y=25;
5    int z=x+y;
6
7    System.out.println("Sum of x+y = " + z);
8    }
9 }
```

Even if you have never programmed before see if you can try and figure out what is going on here

```
1 - public class MyClass {
     public static void main(8
                           Then run the
       int x=10;
       int y=25;
       int z=x+y;
                           program by
       System.out.println("Su
                           clicking the
                           Execute button.
                         +
                Execute
```



```
1 public class MyClass {
2 public static void main(String args[]) {
3    int x=10;
4    int y=25;
5    int z=x+y;
6
7    System.out.println("Sum of x+y = " + z);
8    }
9 }
```

Execute ...

Try removing the ';' from the end of line 7 and running again

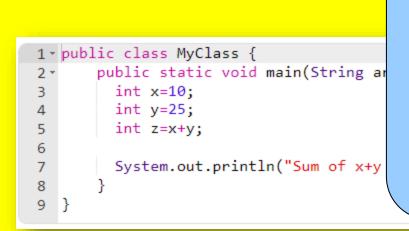
```
1 - public class MyClass {
      public static void main(String args[]) {
        int x=10;
        int y=25;
        int z=x+y;
                                      Programs with
        System.out.println("Sum of x+y
                                       errors can't run
                                      instead errors
                                       will be reported.
                             +
                   Execute
/MyClass.java:7: error: ';' expected
    System.out.println("Sum of x+y = " + z)
1 error
```

```
1 public class MyClass {
2 public static void main(String args[]) {
3    int x=10;
4    int y=25;
5    int z=x+y;
6
7    System.out.println("Sum of x+y = " + z);
8    }
9 }
```

1 error

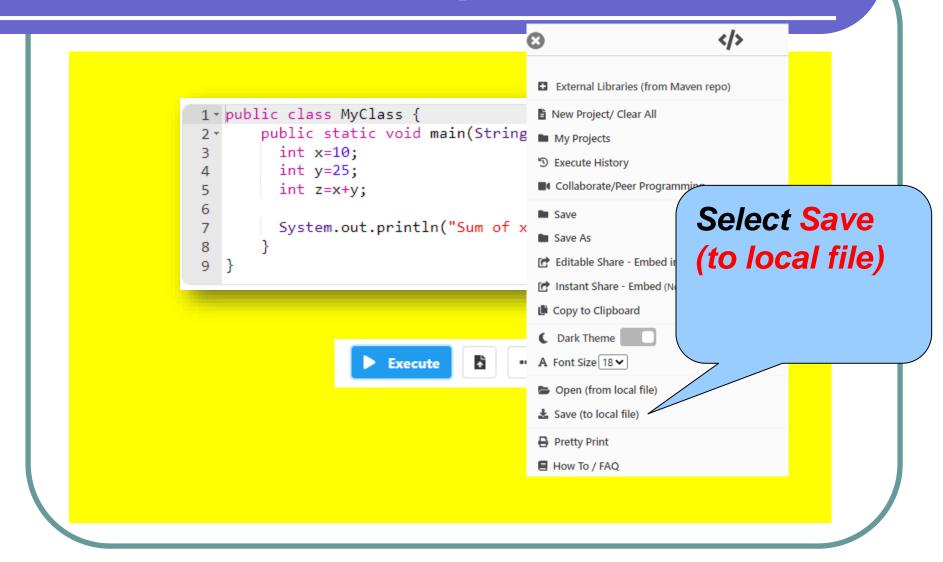
Fix the error by adding back in the ';'and re-run

```
/MyClass.java:7: error: ';' expected
System.out.println("Sum of x+y = " + z)
```



To save this program file to your machine click these three dots



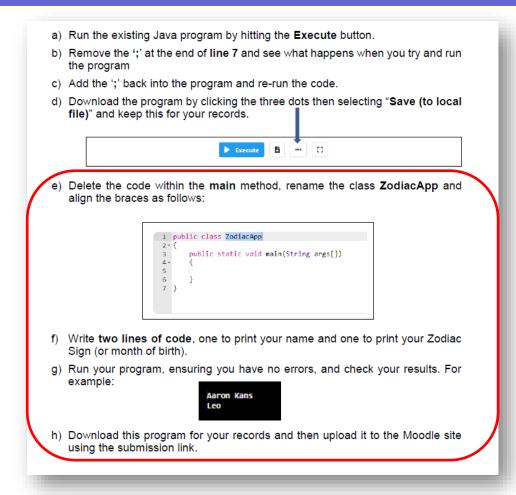


CD/CN4001 T

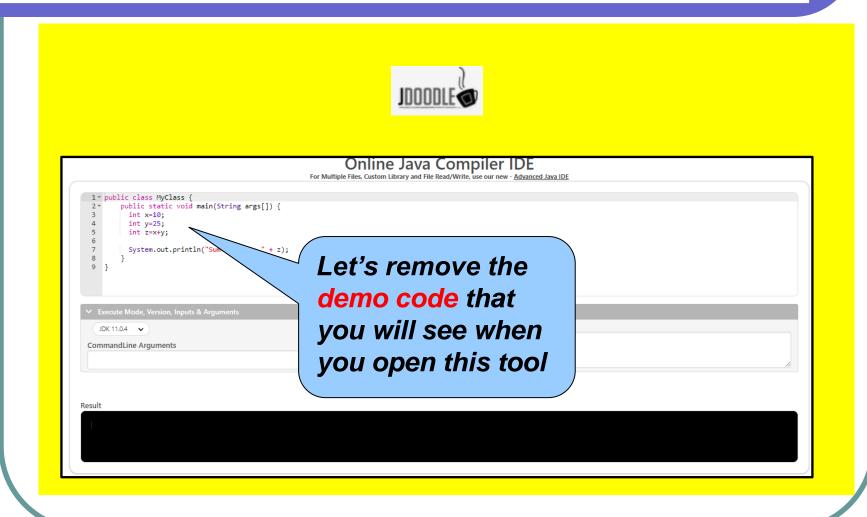
This MyClass.java file will now be on your machine (Probably in your Downloads folder)

```
1 public class MyClass {
2 public static void main(String args[]) {
3    int x=10;
4    int y=25;
5    int z=x+y;
6
7    System.out.println("Sum of x+y = " + z);
8    }
9 }
```





Now lets
look at
tasks (e) to
(h) to create
a ZodiacApp
program



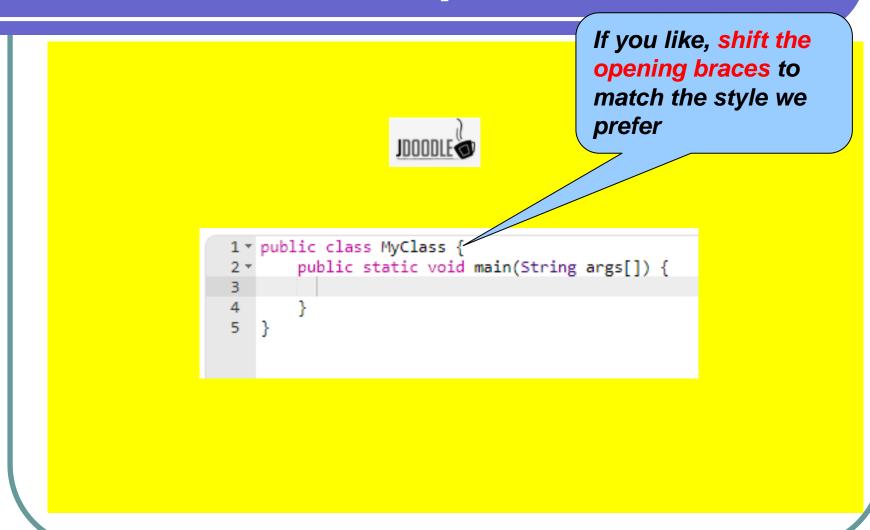


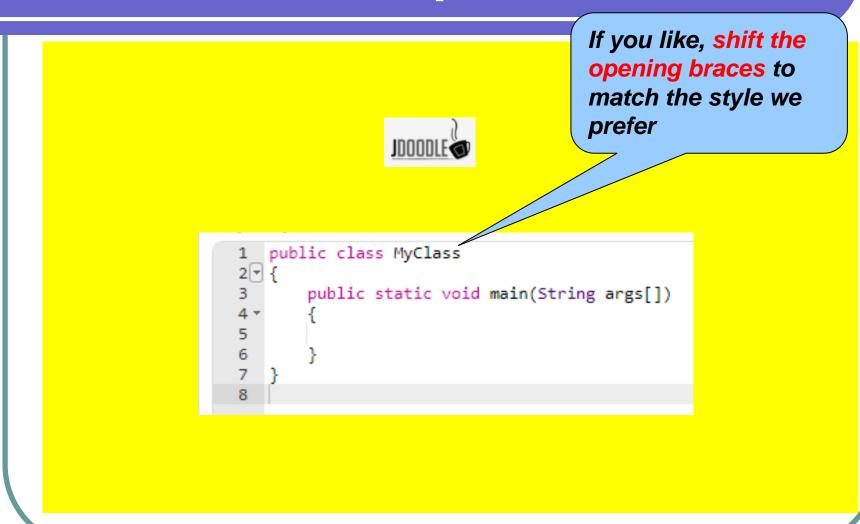
Highlight and delete the code in the main method

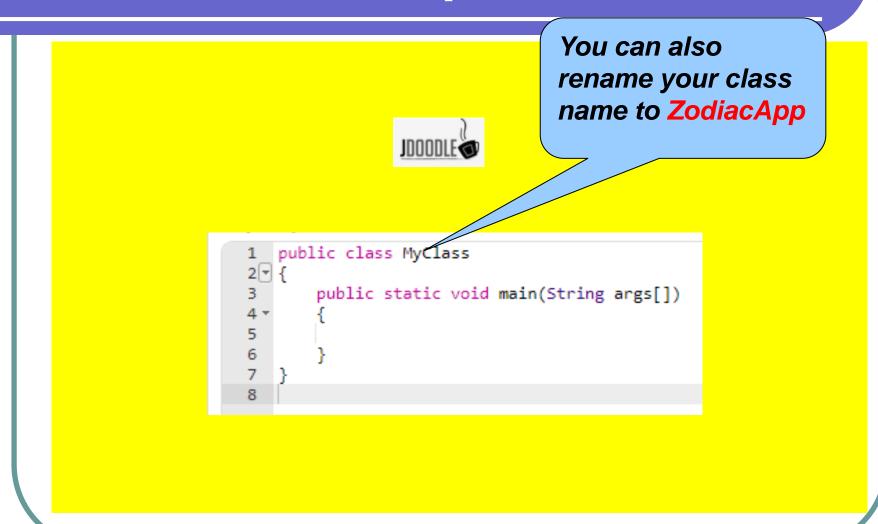
```
1 public class MyClass {
2 public static void main(Stri args[]) {
3     int x=10;
4     int y=25;
5     int z=x+y;
6
7     System.out.println("Sum of x+y = " + z);
8     }
9 }
```



Highlight and delete the code in the main method











You can now write your code in the main method

- f) Write **two lines of code**, one to print your name and one to print your Zodiac Sign (or month of birth).
- g) Run your program, ensuring you have no errors, and check your results. For example:

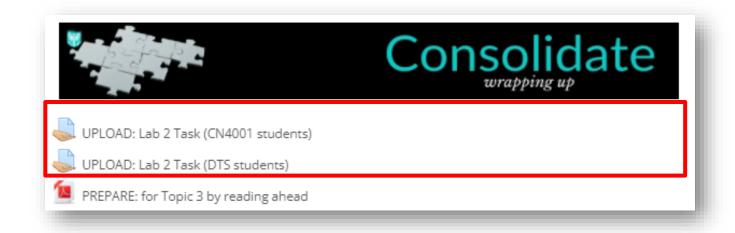
Aaron Kans Leo

Printing Messages to the screen in Java: a reminder

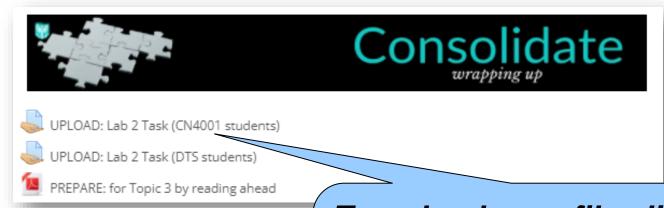
```
public class Hello
{
   public static void main(String[] args)
   {
      System.out.println("Hello world");
   }
}
```

Printing Messages to the screen in Java: a reminder

Hello world



Upload your ZodiacApp.java file to Moodle so your tutors can check you have completed this task successfully.



To upload your file click on the relevant Upload Link in the Week 2 Consolidate block of your Moodle site

