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.

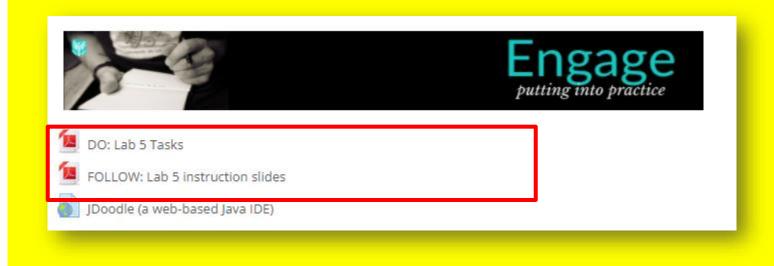


Tap In



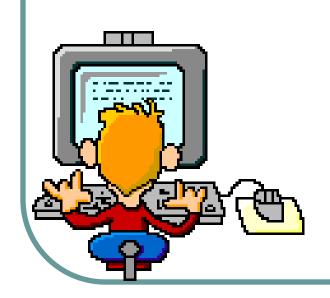
Click on the Week 5 block of your Moodle Site

2

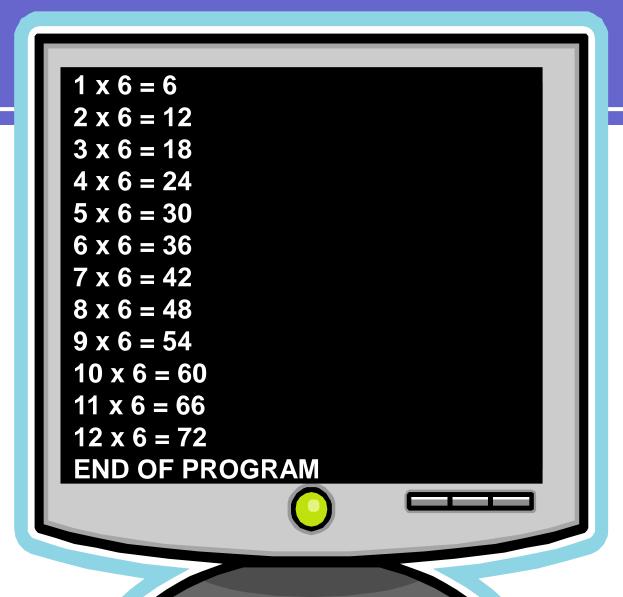


(c) Dr Aaron Kans

NOW – let's tackle the practical task.

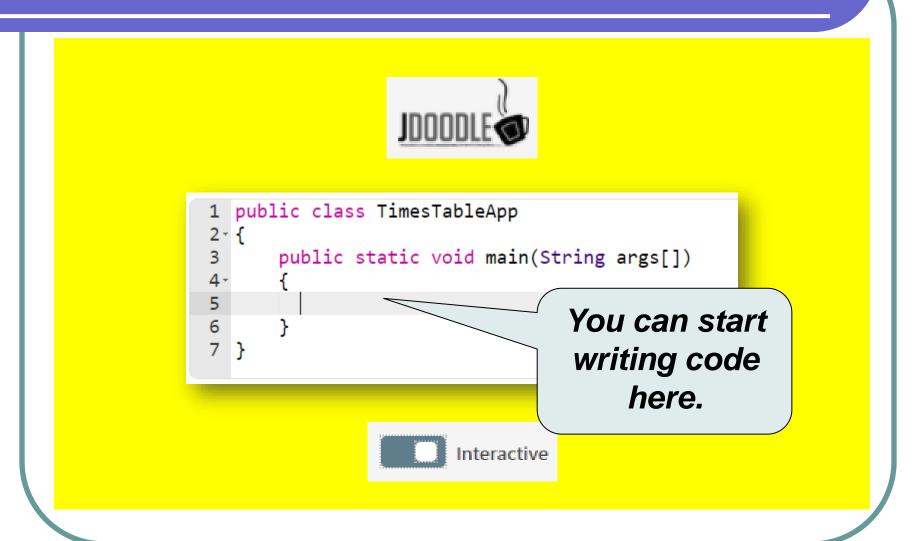


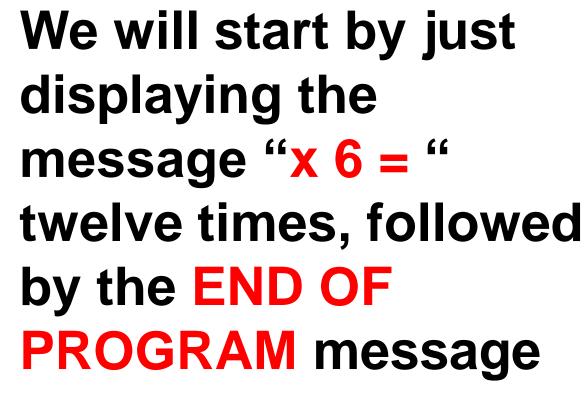
In this lab we will develop a times table application

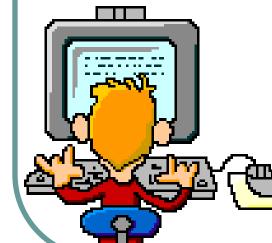


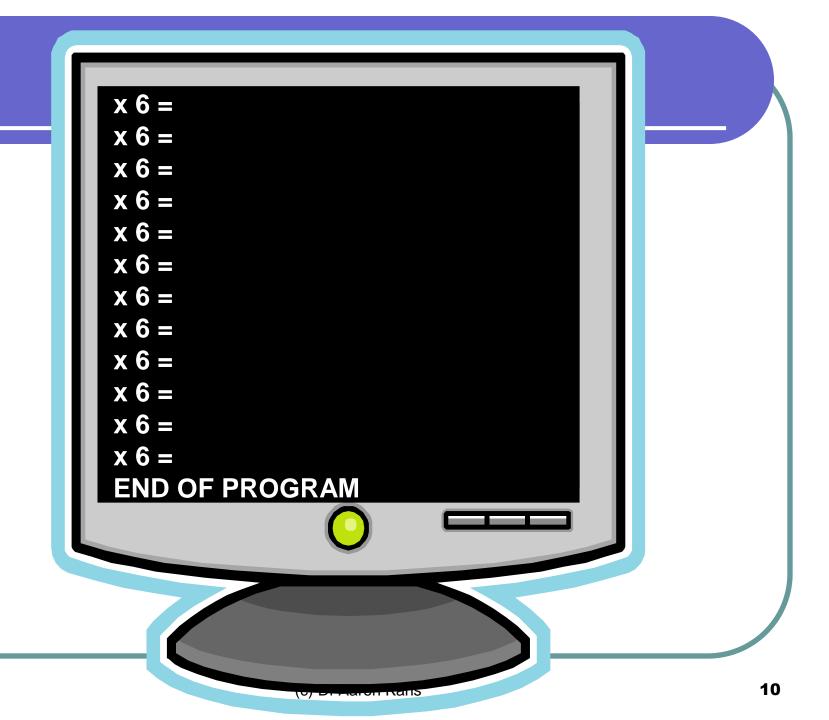


- a) Delete the code in your main method
- b) Rename your class TimesTableApp
- c) Ensure the Interactive slider is on.









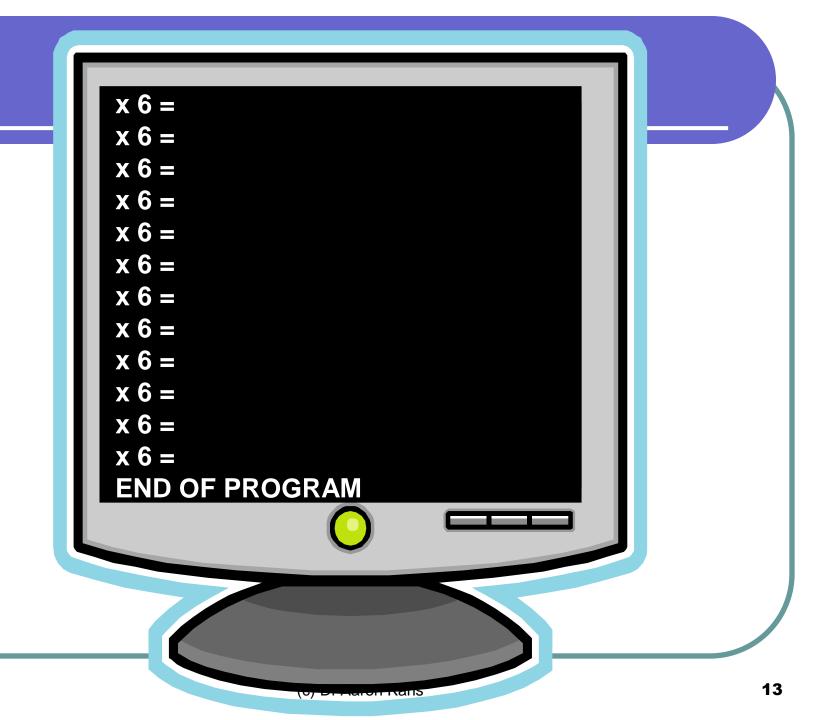
d) Use a for loop to display the following message 12 times:

The program should end with an "END OF PROGRAM" message.

YOU HAVE 10 MINUTES!!!







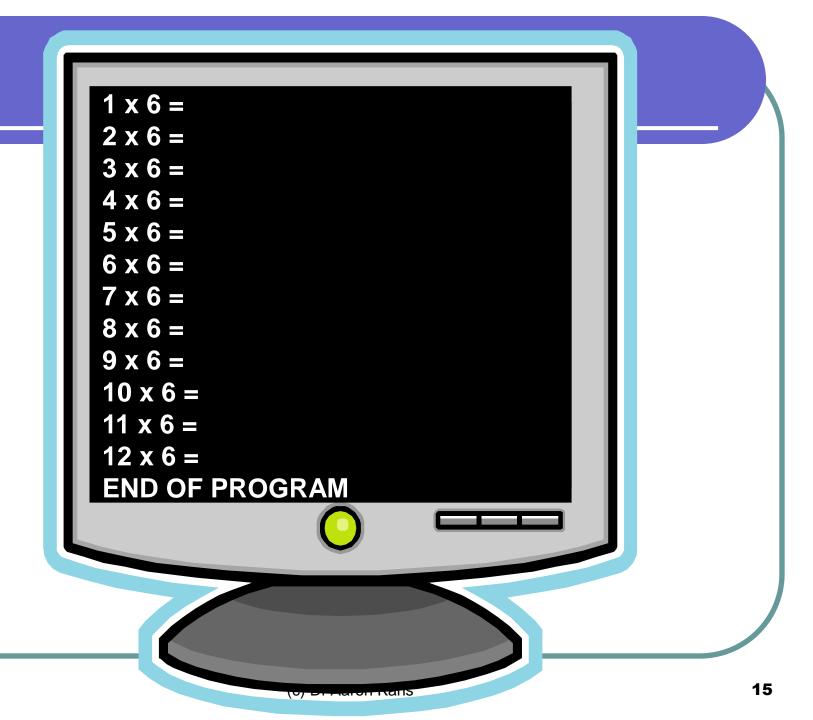
e) Modify the display command within the loop to now display the following:

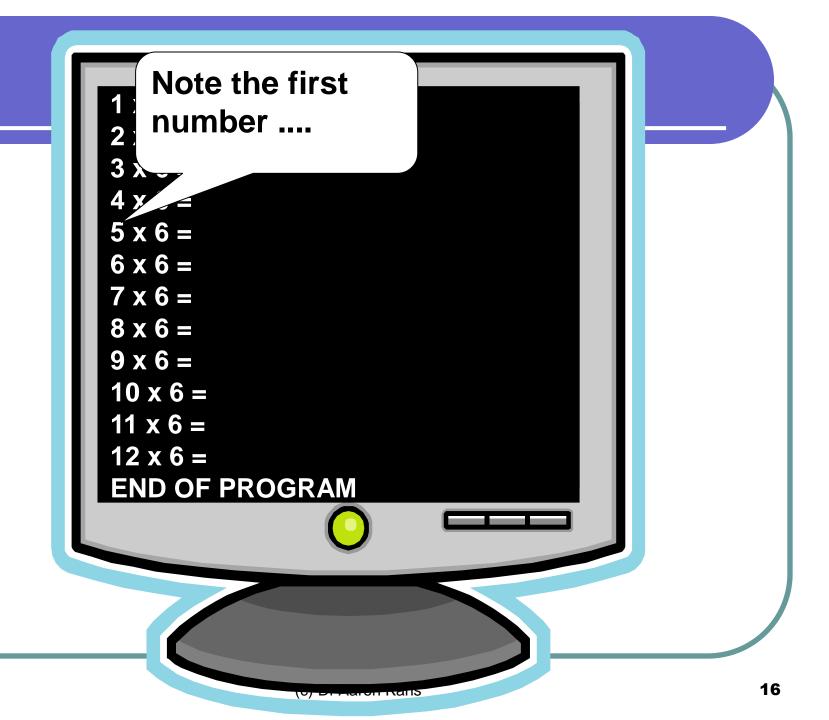
$$1 \times 6 =$$

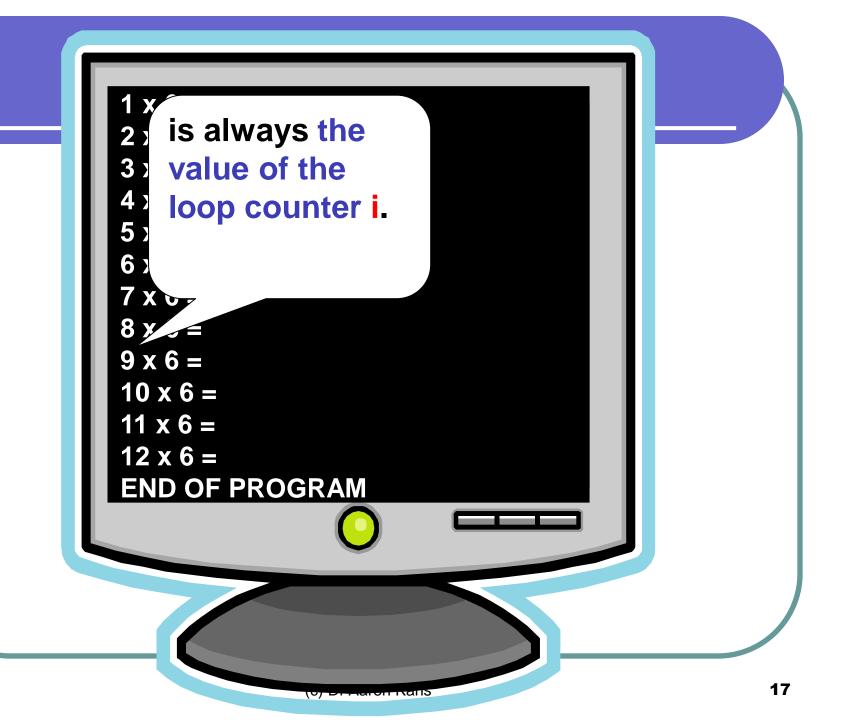
$$2 \times 6 =$$

$$3 \times 6 =$$

and so on.







e) Modify the display command within the loop to now display the following:

$$1 \times 6 =$$

$$2 \times 6 =$$

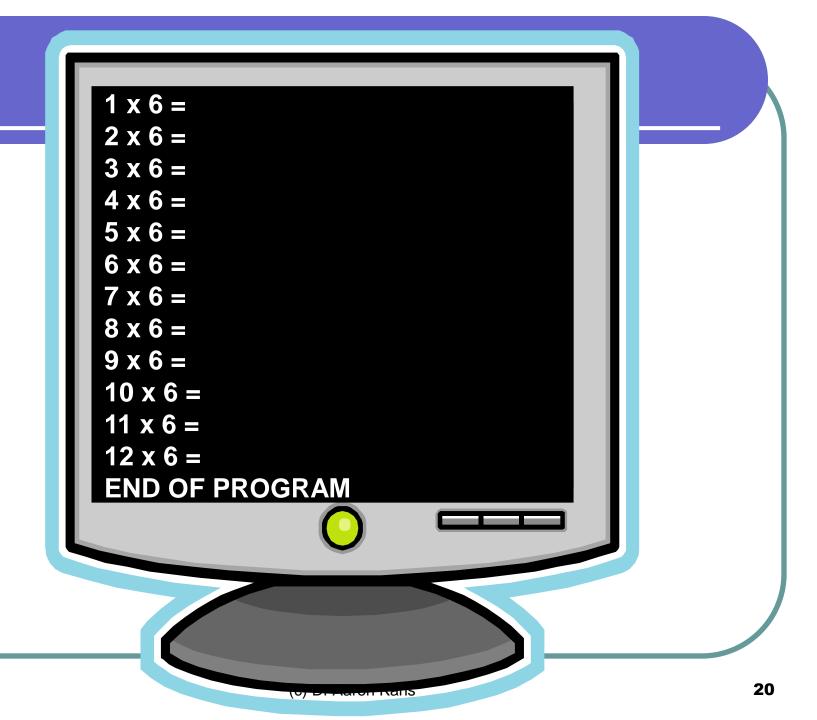
$$3 \times 6 =$$

and so on.

YOU HAVE 5 MINUTES!!!







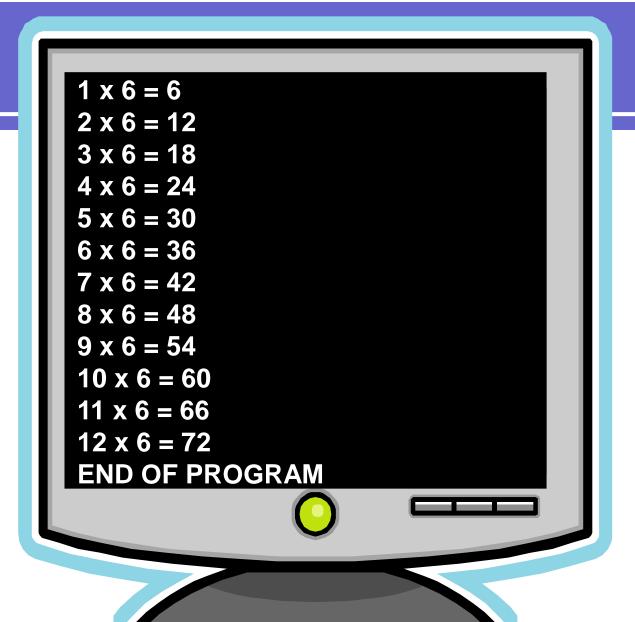
f) Modify this code so that the results is now also displayed in each row:

$$1 \times 6 = 6$$

$$2 \times 6 = 12$$

$$3 \times 6 = 18$$

and so on.



f) Modify this code so that the results is now also displayed in each row:

$$1 \times 6 = 6$$

$$2 \times 6 = 12$$

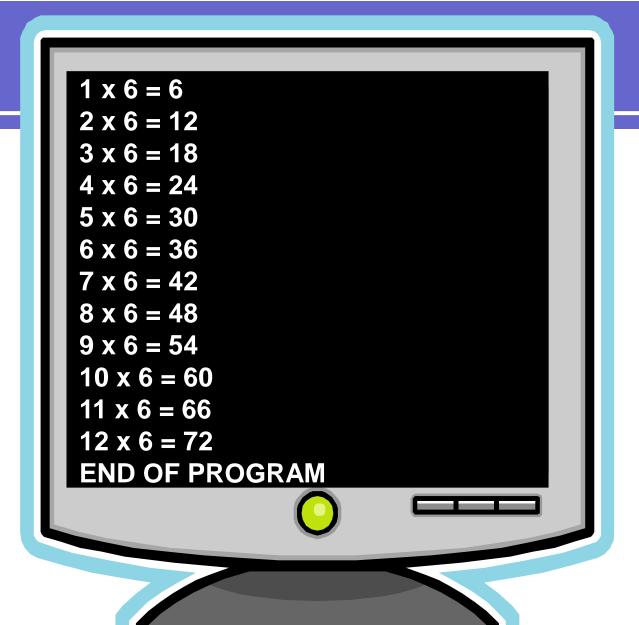
$$3 \times 6 = 18$$

and so on.

YOU HAVE 8 MINUTES!!!







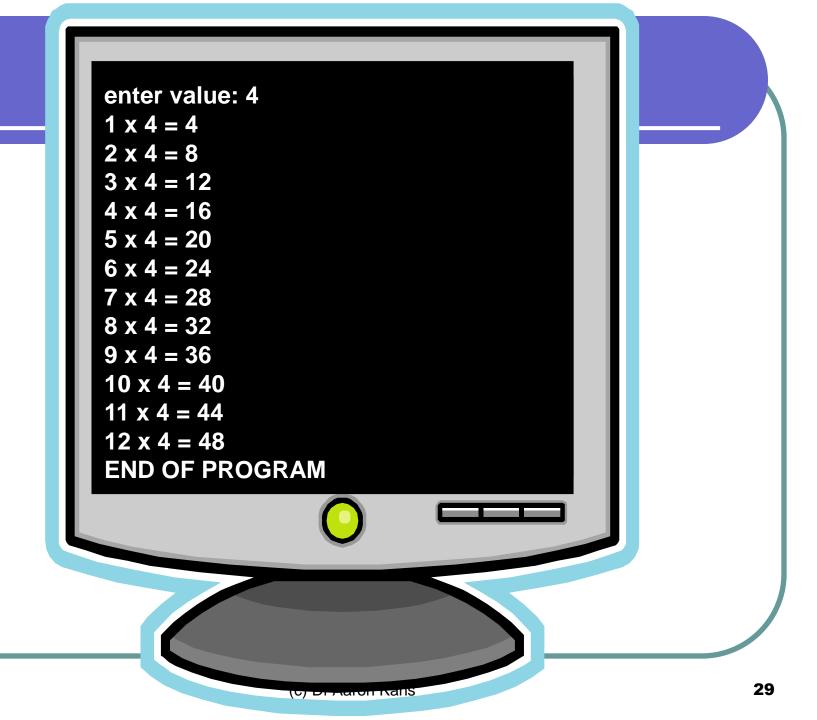
g) Adapt the program further so that instead of a "6 times table", the user chooses which table is to be displayed.



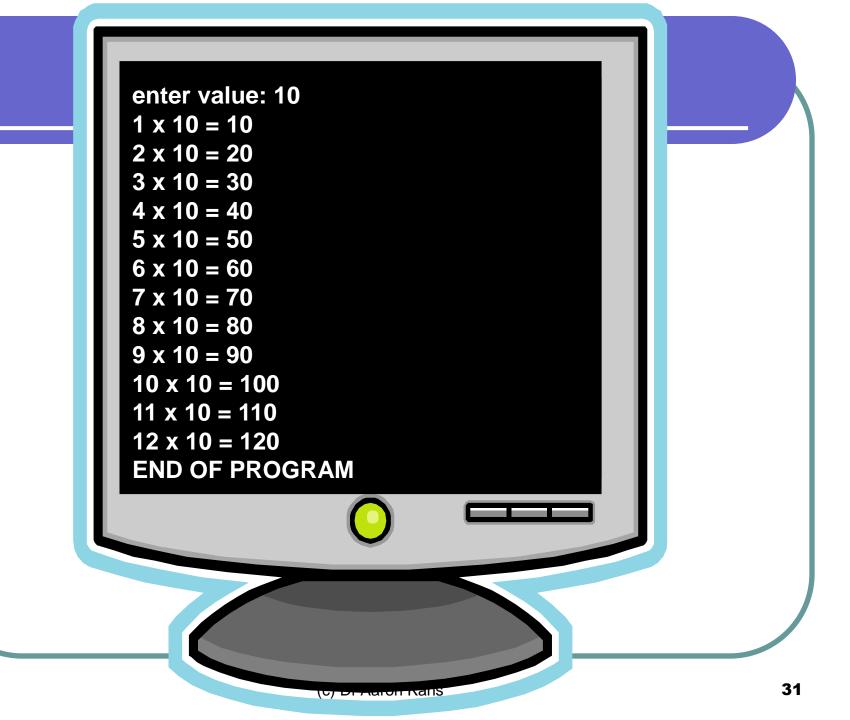
YOU HAVE 10 MINUTES!!!











CN4102: Lab 5

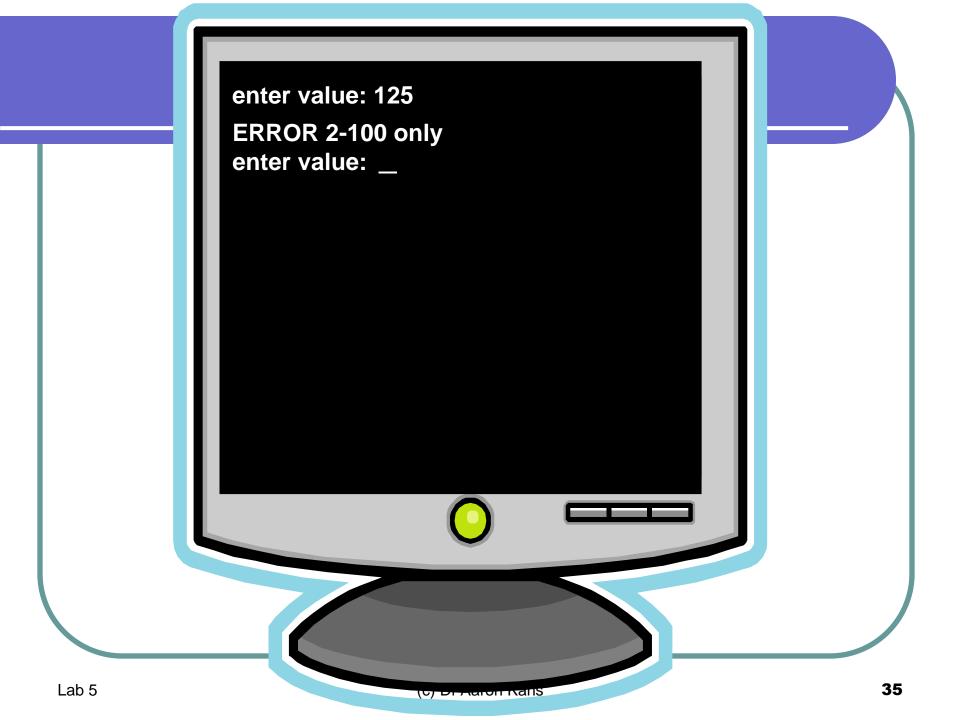
h) Modify the code by making use of a while loop to ensure that the user enters numbers between 2 and 100 only. If a number outside this range is entered an error message should be displayed and the user is asked to enter another number.

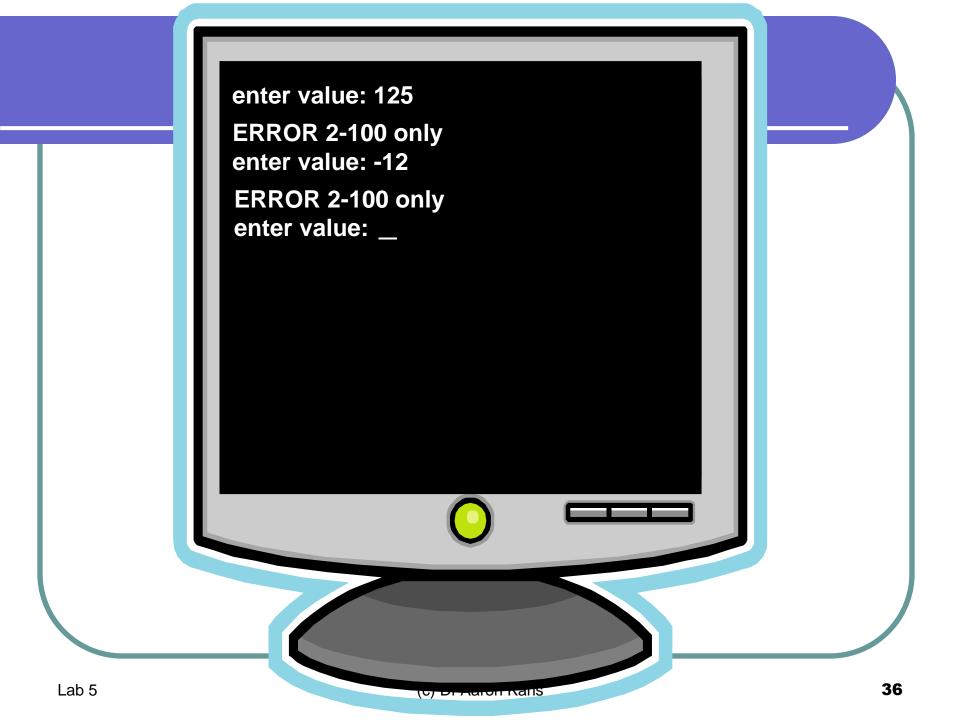
YOU HAVE 15 MINUTES!!!

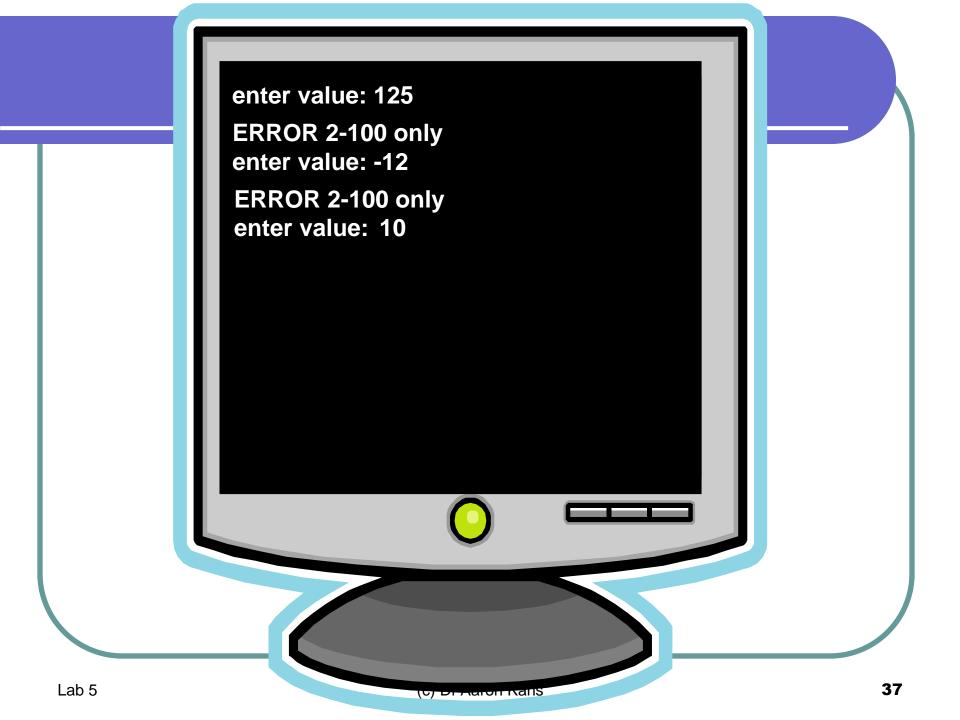
CN4102: Lab 5

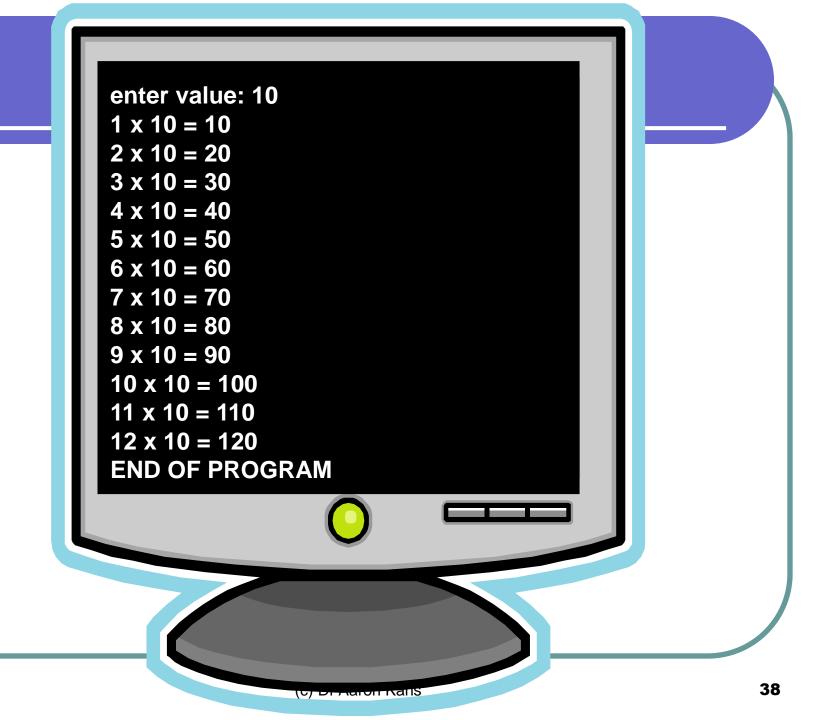




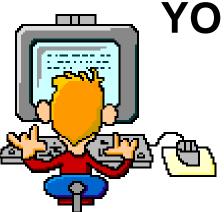






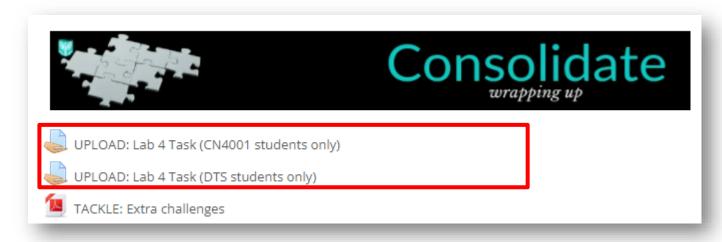


i) Add some Javadoc comments at the top of this program

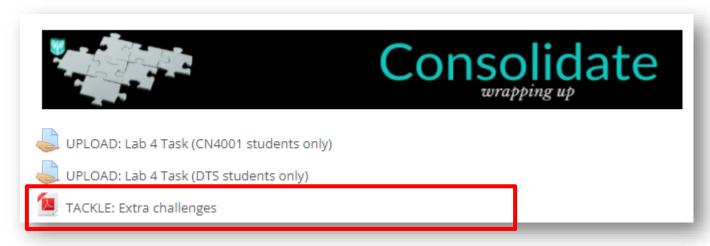




```
import java.util.*;
/**
        Program to print a times table
        @author Aaron Kans
        @version 1/10/2020
public class TimesTableApp
       public static void main(String[] args)
          // Program code here
```



Donalod your TimesTableApp.java file from Jdoodle an dthen upload to Moodle – using the appropriate submission link.



Spend the rest of the time in this practical working on the extra challenges.