# Extra Credit 2 – Turtle Races

For this program you will use the turtle library that simulates a race between different turtles. This program will use one library we have not previously discussed, the random library. See the example below.

Text

Description automatically generated

The first line imports the random library just like the way we import the turtle library. With this library imported, we can use the random.randint() function as shown on line 3. The random.randint() function receives 2 arguments to specify the range of the random number to be generated. If you run this simple code, you should find that the program randomly generates a number between 0 and 10 each time the program is run. For our challenge, the random.randint() function will be used to determine how far each turtle moves in a given loop iteration.

The program should meet the following requirements:

* You will draw a starting line and a finish line as shown in the screenshots
* You will have at least 2 turtles race each other
* The turtles should take turns moving forward a random number of pixels until one reaches the finish line
* A condition-based loop should stop the program when a turtle has crossed the finish line.
* The winner should be displayed

Upload your python file for this assignment and include a few screenshots of it running.

Each turtle should start at the starting line.

Background pattern

Description automatically generated with medium confidence

As the program runs, the turtles should jockey for position with each other. As they each move random amounts towards the finish line, you should see them move as if they are racing each other.

Chart, scatter chart

Description automatically generated

When one of them crosses the finish line. They should be declared the winner.

Background pattern

Description automatically generated with medium confidence

Since they are moving at random speeds each time, you should get different winners randomly each time the program is run.

Background pattern

Description automatically generated with low confidence

**Upload the python file that runs your race and copy/paste a few screenshots of your program running here.**

**A screen shot of a computer screen

Description automatically generated**

**A screen shot of a computer

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