



## **Python Beginners Week 12 HW**

### **Question 1**

In class we learned about how to get a circle to follow the position of the mouse. What is mouseX and mouseY? What do they do?

### **Question 2**

In class we learned how to move a shape using WASD or the arrow keys. If you want to make a shape move using the arrow keys, then what must you use? How does the computer know when you press the arrow keys?

### **Question 3**

Write code that makes a circle flash a bunch of random colors but only after you pressed the up-arrow key on the keyboard. The flashing should stop if you press the down-arrow key. You are free to use any screen size and circle size.

### **Question 4**

Write code that makes a square follow the position of the mouse. You must make the center of the square follow the mouse position (NOT the top left corner). In class I showed you how to do this with a circle.