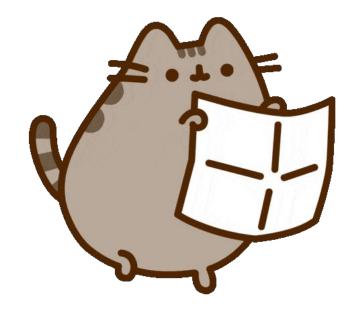
Graphics Reference

```
canvas.create_text(x, y, text)
canvas.set_text(obj, text)
canvas.get_mouse_x()
canvas.get_mouse_y()
canvas.find_overlapping(x1, y1, x2, y2)
canvas.lower_to_back(obj)
canvas.moveto(obj, x, y)
```



Interactive Graphics

```
def main():
   # create object
   while True:
       # get user input
       # update graphics
       # ex. add object to screen
       canvas.update()
   canvas.mainloop()
```



Lists

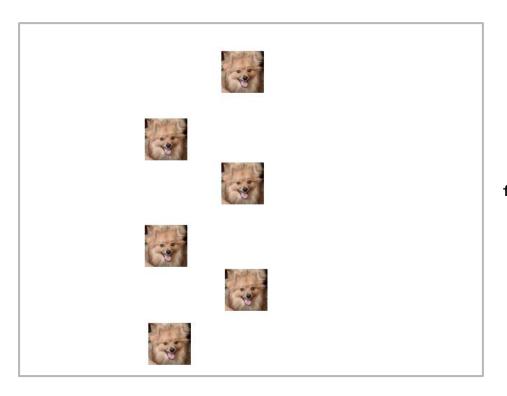
```
def main():
    words = ["Lists", "are", "so", "powerful"]
    print(words[0])
    print(words[len(words)-1])
    for word in words:
        print(word)
```

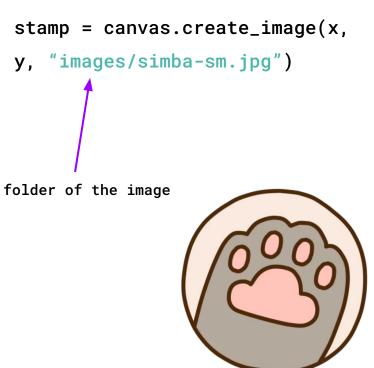
Checking Mouse Clicks

```
def main():
   # List of mouse clicks
   clicks = canvas.get_new_mouse_clicks()
   print(clicks[0].x)
   print(clicks[1].y)
123
47
```

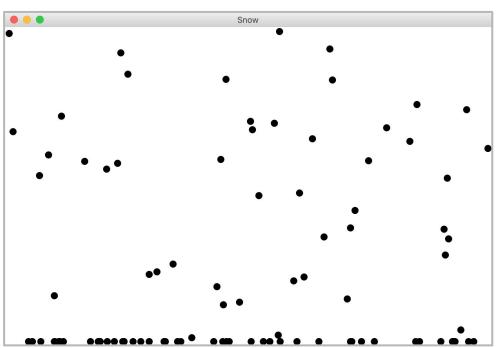
Section Problem

Making Tracks





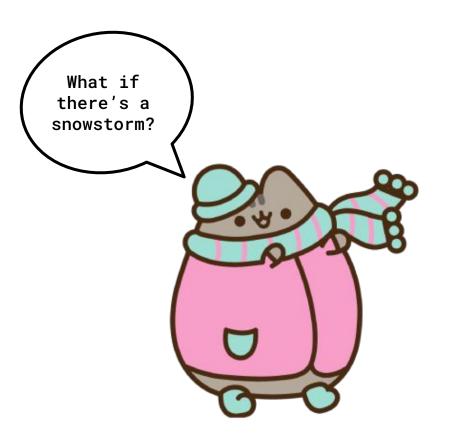
Snow



10% probability of new snowflake at random horizontal location



Animating Snow



Quickstart

Mouse Location

