

CodeAdvantage

Learn Create Master

Python - Animal Expedition Lesson 7-8 Homework

These weeks in class we learned about:

- 1. Create multiple NPCs
- 2. Move multiple NPCs
- 3. Apply border conditions to all NPCs

Homework

Create a small simulation of multiple moving NPCs

```
import turtle, random

Screen
screen = turtle.Screen()
screen.bgcolor('black')
screen.title("Homework 4")

npcs = []

for i in range(100):
    npcs.append(turtle.Turtle())
    npcs[-1].speed(0)
    npcs[-1].shape('circle')
    npcs[-1].color('red')
    npcs[-1].setpos(random.randint(-200,200), random.randint(-200,200))

def move_the_npcs():
    for npc in npcs:
        npc.forward(random.randint(-50,50))
        npc.right(random.randint(-360,360))
    screen.ontimer(move_the_npcs,10)

move_the_npcs()

**PAST 2 LINES****
screen.listen()
screen.mainloop()
```

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