

## Python recap week 5

Each success grants you one token, and a full success run grants you an “S” mark counting towards your final grade. (If you didn’t get the bonus token, you will still get an “S” if get everything else correct!)

Your name: \_\_\_\_\_ Your Coe email: \_\_\_\_\_

### Task 1) Improve Karel the Robot:

In Karel you can only move one step a time by this:

```
move()
```

Now write a `move_steps()` function in python, that you can move `i` steps you like.

```
def move_steps(i):
```

### Task 2)

If I type this in vanilla python (Google Colab), what will be the answer?

```
for i in range (0b10):  
    for j in range (0x1):  
        print (i)
```

Earn a bonus token here: If I type this in vanilla python (Google Colab), what will be the answer?

```
for i in range (0b101):  
    for j in range (0x0):  
        print (i)
```

Task 3) If I type this in vanilla python (Google Colab), what will be the answer?

```
lane_1 = [0b0000, 0b0001, 0b0110, 0b0100, 0b1000, 0b0110]
collision_check = [i for i, item in enumerate(lane_1) if item == 6]
print(f"Collision found at timepoints: {collision_check}")
```

Hint:

