



# Lesson 1 | Warmup

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This is a Pixel Bots exercise. In Pixel Bots we will program bots to paint pictures using Code Elements.

## Code Elements

<code>up()</code>	<code>down()</code>
<code>left()</code>	<code>right()</code>
<code>paint()</code>	

## Problem 1

---

Pixel Bot Read Code: You are a pixel bot. Read the code and paint the picture.



```
up()  
paint()  
right()
```



```
up()  
right()  
paint()
```





# Lesson 1 | Worksheet 1

---

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

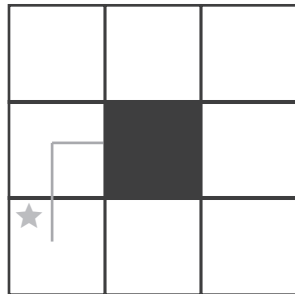
---

up()  
left()  
paint()

down()  
right()

## Example

---

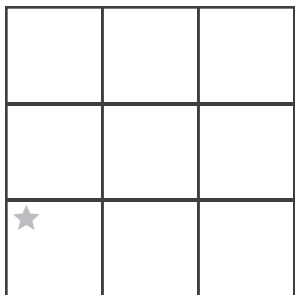


```
1 up()  
2 right()  
3 paint()
```

## Problems

---

You are a pixel bot. Read the code and paint the picture.



```
1 right()  
2 right()  
3 paint()  
4 up()
```



```
1 right()  
2 paint()  
3 up()  
4 paint()
```





# Lesson 1 | Worksheet 1 (cont'd)



```
1 down()  
2 paint()  
3 left()  
4 paint()
```



```
1 paint()  
2 left()  
3 paint()  
4 down()  
5 paint()
```



```
1 paint()  
2 up()  
3 paint()  
4 up()  
5 paint()
```



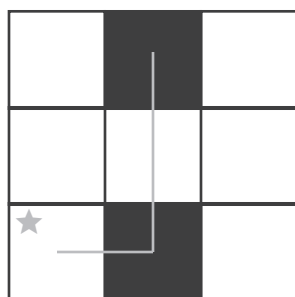
# { } Lesson 2 | Warmup

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

up()                      down()  
left()                    right()  
paint()

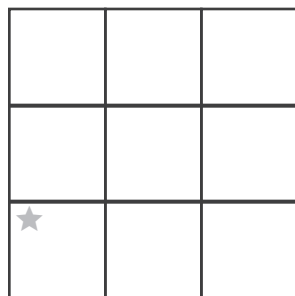
## Example



```
1 right()  
2 paint()  
3 up()  
4 up()  
5 paint()
```

## Problems

You are a pixel bot. Read the code and paint the picture.



```
1 up()  
2 right()  
3 paint()  
4 up()  
5 right()  
6 paint()  
7 down()  
8 down()  
9 paint()
```





# Lesson 2 | Worksheet 1

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This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

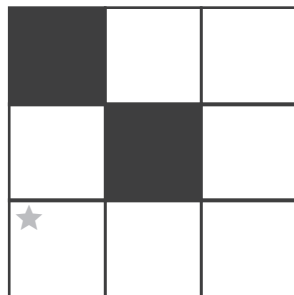
---

up()	down()
left()	right()
paint()	

## Problem

---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 3 | Warmup

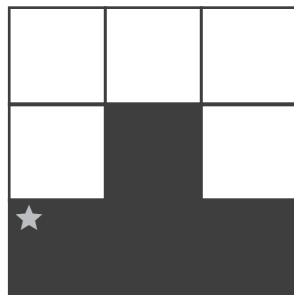
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

up()                      down()  
left()                    right()  
paint()

## Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 3 | Worksheet 1

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This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

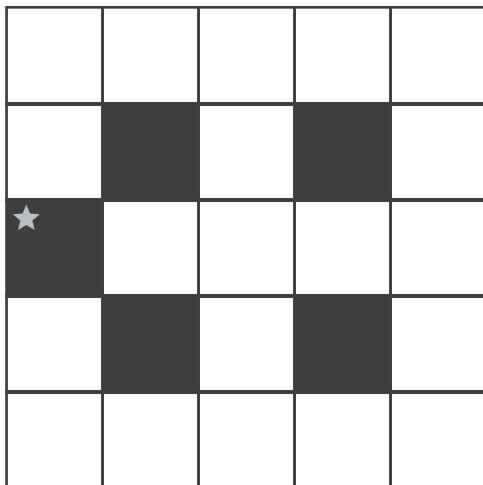
---

up()                      down()  
left()                    right()  
paint()

## Problem

---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 3 | Worksheet 2

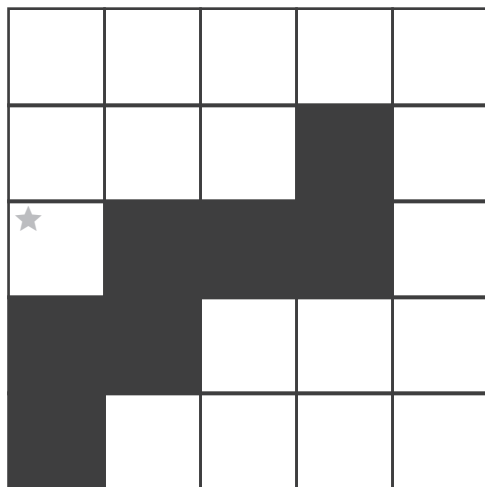
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

up()                      down()  
left()                    right()  
paint()

## Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 3 | Worksheet 3

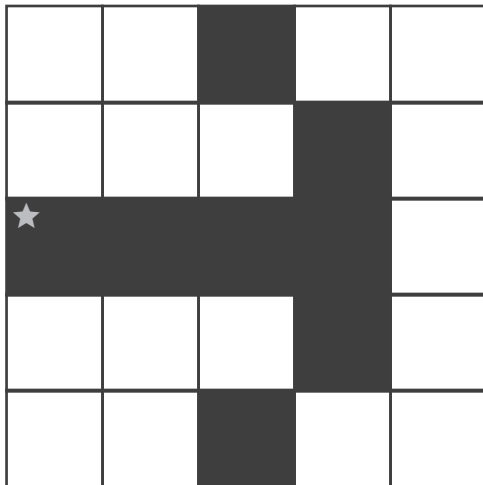
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

up()                      down()  
left()                    right()  
paint()

## Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 3 | Worksheet 4

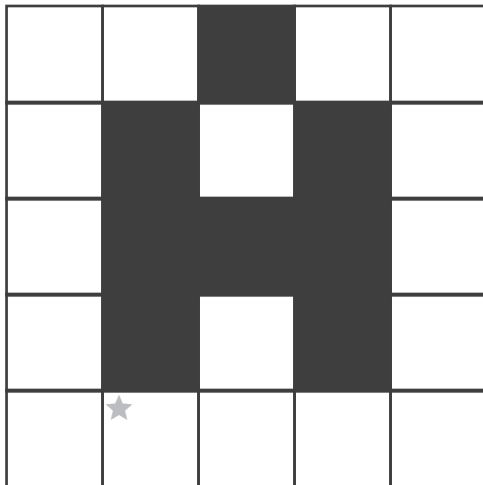
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

up()                      down()  
left()                    right()  
paint()

## Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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## Lesson 3 | Exit Ticket

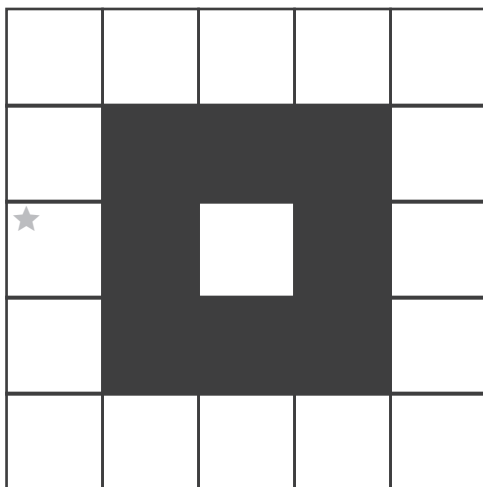
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

### Code Elements

up()                      down()  
left()                    right()  
paint()

### Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 4 | Worksheet 1

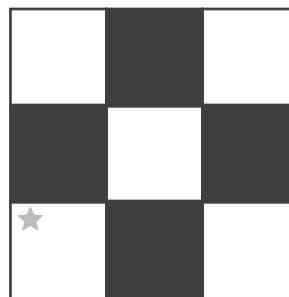
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Problems

You are a coder. Write code to command the pixel bot to paint the pictures.



- ☐ done
- ☐ explained



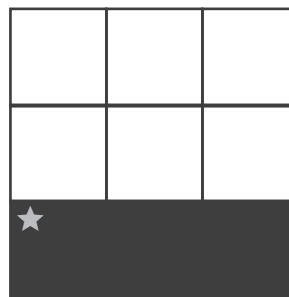
- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



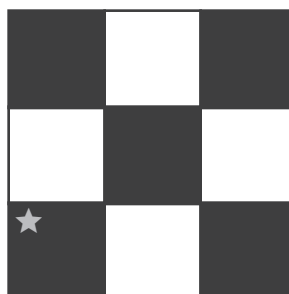
- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained





# Lesson 4 | Exit Ticket

---

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

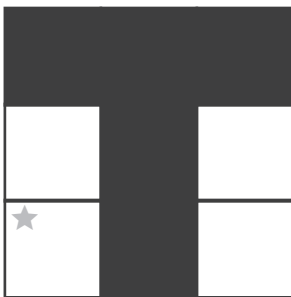
---

up()                      down()  
left()                    right()  
paint()

## Problem

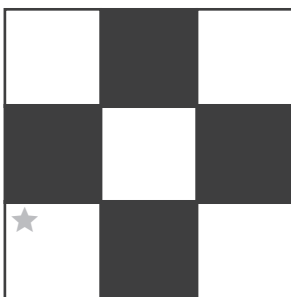
---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 5 | Warm-up

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

---

up()                      down()  
left()                    right()  
paint()

## Problems

---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 5 | Exit Ticket

---

This is a Mouse Bot JavaScript exercise. In Mouse Bot we program the bot to eat the cheese.

## Code Elements

---

up()            move()  
right()        getCheese()

## Problems

---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 6 | Warm Up

---

This is a Mouse Bot JavaScript exercise. In Mouse Bot we program the bot to eat the cheese.

## Code Elements

---

up()            move()  
right()        getCheese()

## Problems

---

You are a coder. Write code to command the pixel bot to paint the picture.



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# Lesson 7 | Warm-up

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

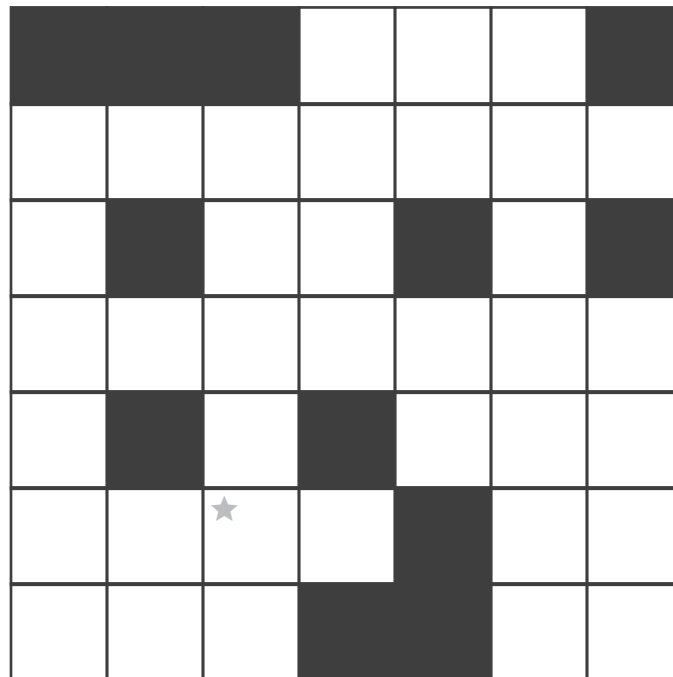
---

up()                      down()  
left()                    right()  
paint()

## Problems

---

You are a coder. On the code line paper, write code to command the pixel bot to paint the picture.



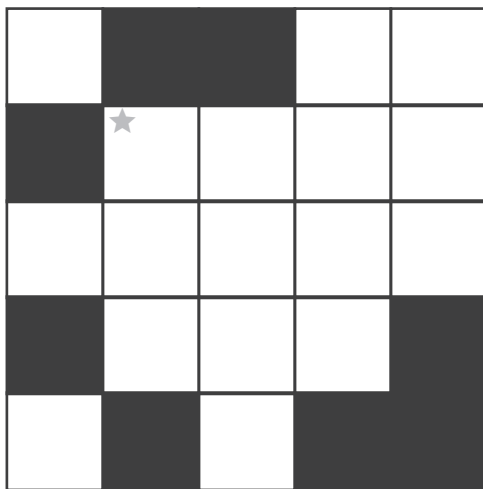


# Lesson 7 | Worksheet 2

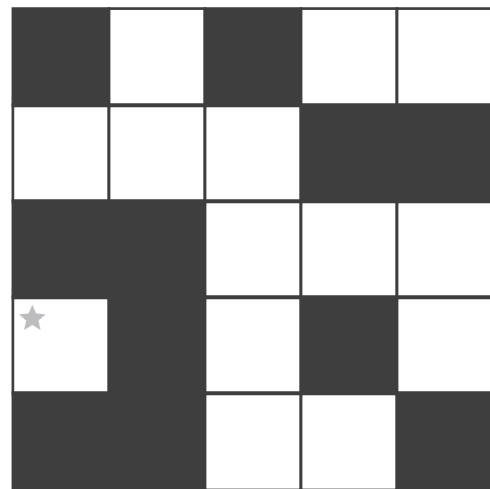
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Problems

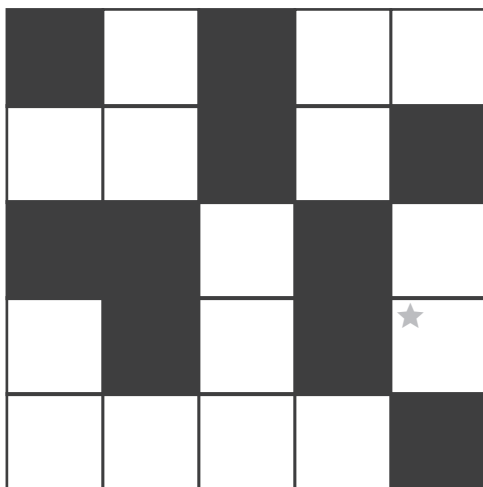
You are a coder. Write code to command the pixel bot to paint the pictures.



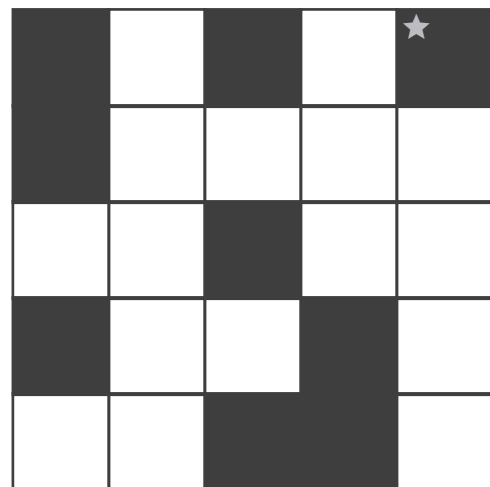
- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained





# Lesson 8 | Warm-up

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

---

`up(steps)`

`left(steps)`

`paint()`

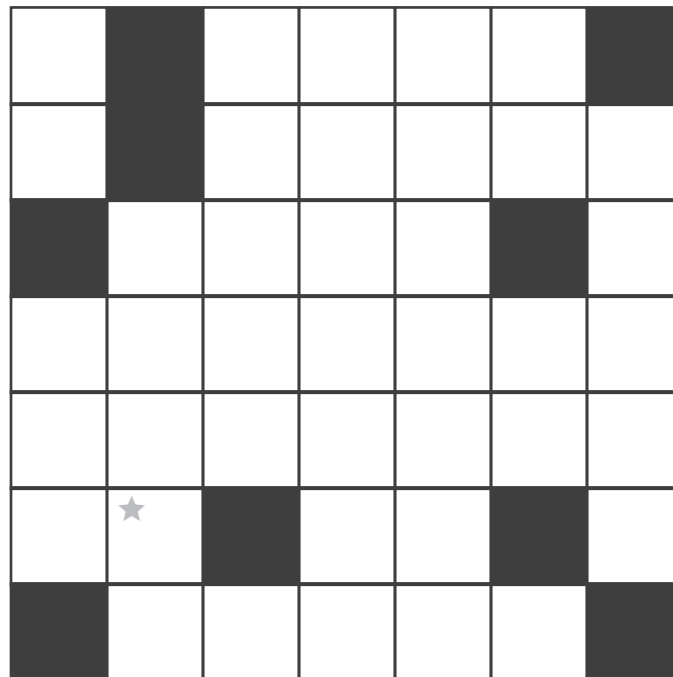
`down(steps)`

`right(steps)`

## Problems

---

You are a coder. On the code line paper, write code to command the pixel bot to paint the picture.





# Lesson 8 | Worksheet 1

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

---

`up(steps)`

`down(steps)`

`left(steps)`

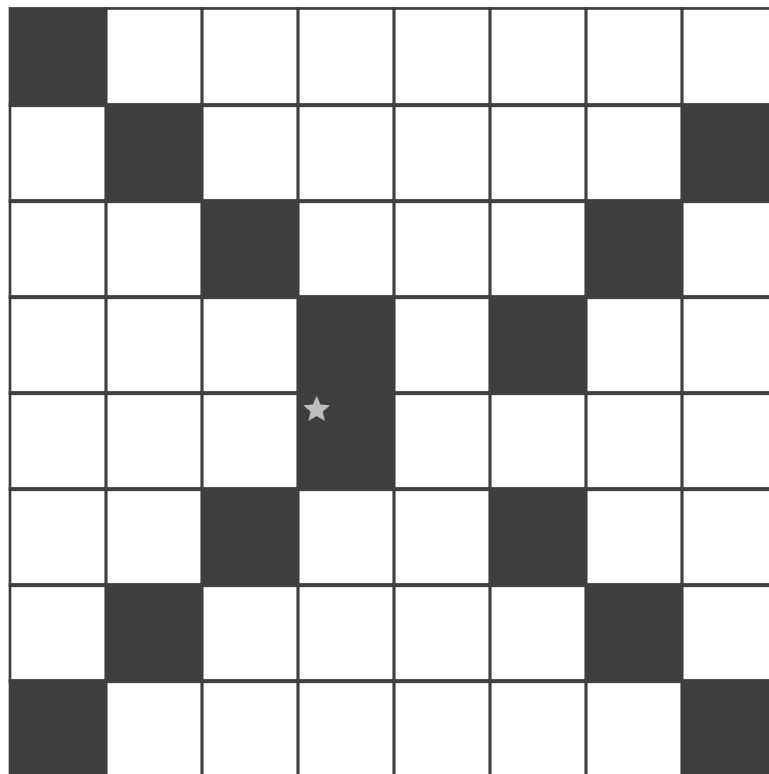
`right(steps)`

`paint()`

## Problems

---

You are a coder. On the code line paper, write code to command the pixel bot to paint the picture.





# Lesson 8 | Worksheet 2

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

---

`up(steps)`

`left(steps)`

`paint()`

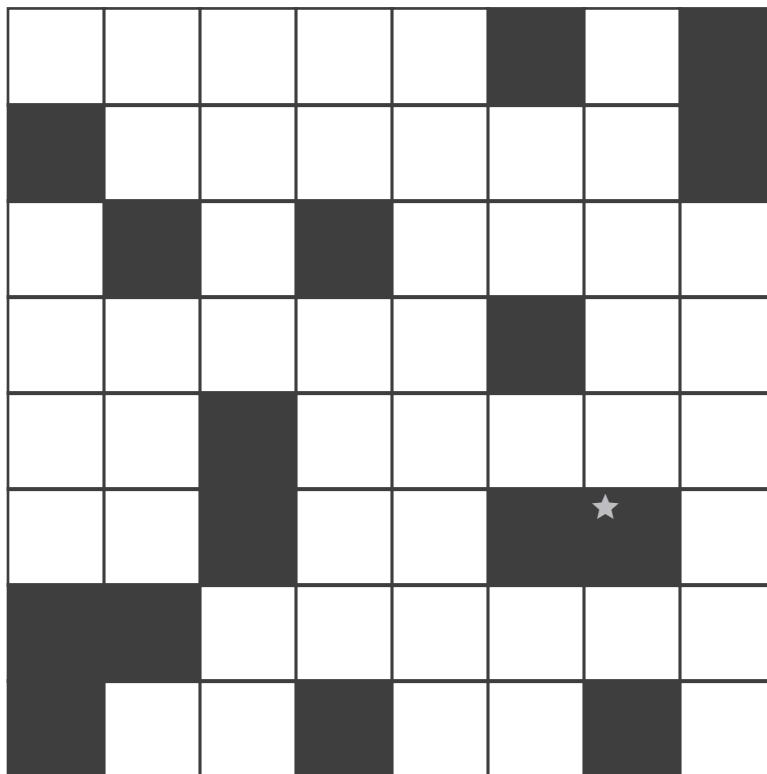
`down(steps)`

`right(steps)`

## Problems

---

You are a coder. On the code line paper, write code to command the pixel bot to paint the picture.



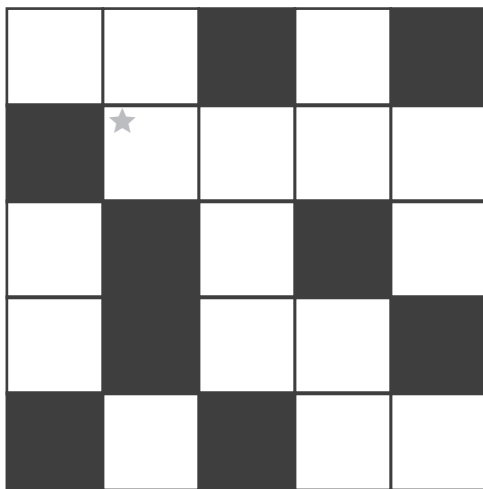


# Lesson 8 | Worksheet 3

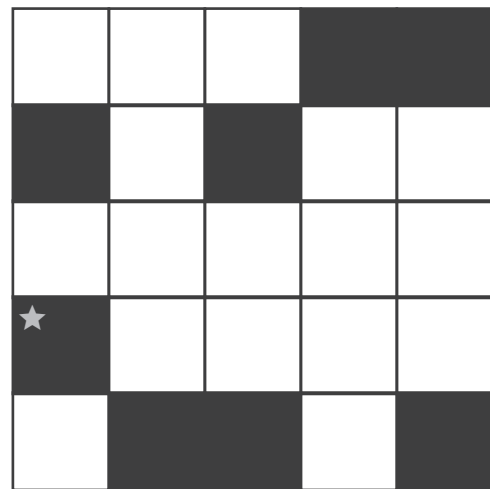
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Problems

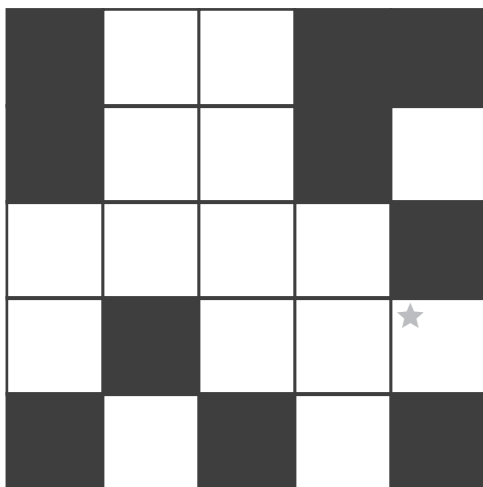
You are a coder. Write code to command the pixel bot to paint the pictures.



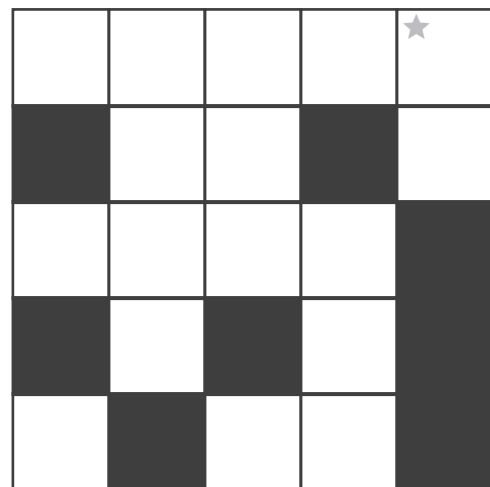
- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained



- ☐ done
- ☐ explained





# Lesson 9 | Warm-up

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

## Code Elements

---

`up(steps)`

`left(steps)`

`paint()`

`down(steps)`

`right(steps)`

## Problems

---

You are a coder. On the code line paper, write code to command the pixel bot to paint the picture.

