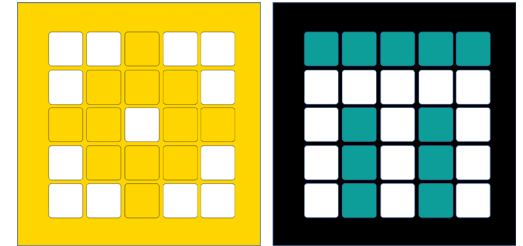


# PRIME LESSONS

By the Makers of EV3Lessons



## COMMENTING CODE

BY ARVIND AND SANJAY SESHAN

# LESSON OBJECTIVES

- Learn how to comment code
- Learn the importance of commenting code
- Learn what makes useful comments

# WHY BOTHER WITH COMMENTS?

- Comments in code help the author of the code remember what they were trying to accomplish.
- You can use them to record the goals or pseudocode for the code.
- It makes it easier to debug
- You could use it to take notes on values
- More importantly, comments allow someone other than the author of the code to understand the program.
- Get into the habit of adding comments to your code

# ADDING COMMENTS

- Lines starting with "#" are comments
- That line of code will not execute

```
# This is a sample comment
```

```
# Comments can be used to explain what is coming next in the  
code.
```

```
# x=7 --> comments are also useful to disable code to debug
```

# MULTI-LINE COMMENTS

- Python has no multi-line comments, but we can get the same functionality by using multi line strings (""" ... """)

```
"""
```

```
This is a multi-line comment
```

```
Actually it is a string but it
```

```
is not evaluated as code.
```

```
"""
```

# WHAT ARE USEFUL COMMENTS?

- Make comments count: Comments should not repeat the contents of the block.
- Comments can be used to summarize the code/document the pseudocode you wrote
- Comments can be used to document values you are trying out in the code

```
# This program moves forward until the left  
color sensor sees the black line  
  
# Pseudocode: Configure Robot, Move Straight  
Until Color Sensor on Port B sees black  
  
# Notes: Tried 25 in previous test
```

# CREDITS

- This lesson was created by Arvind and Sanjay Seshan for Prime Lessons
- More lessons are available at [www.primelessons.org](http://www.primelessons.org)



This work is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/).