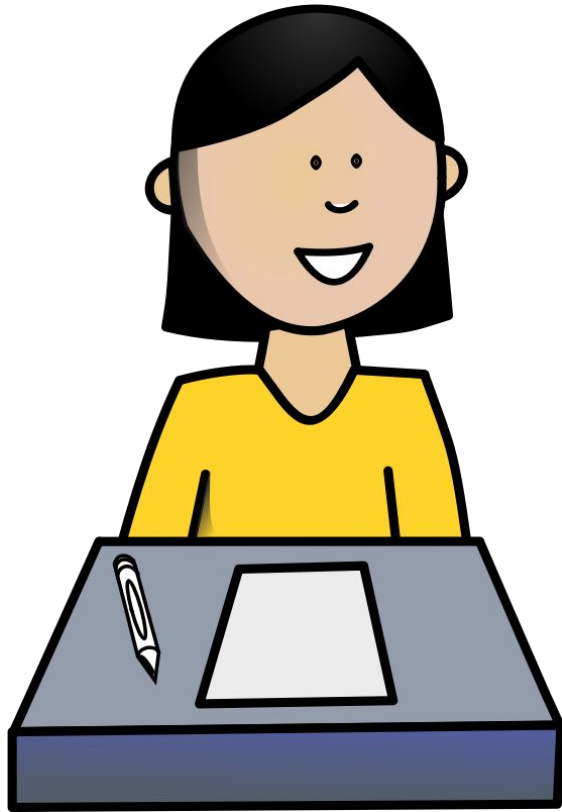


# Introduction to Concept Challenges

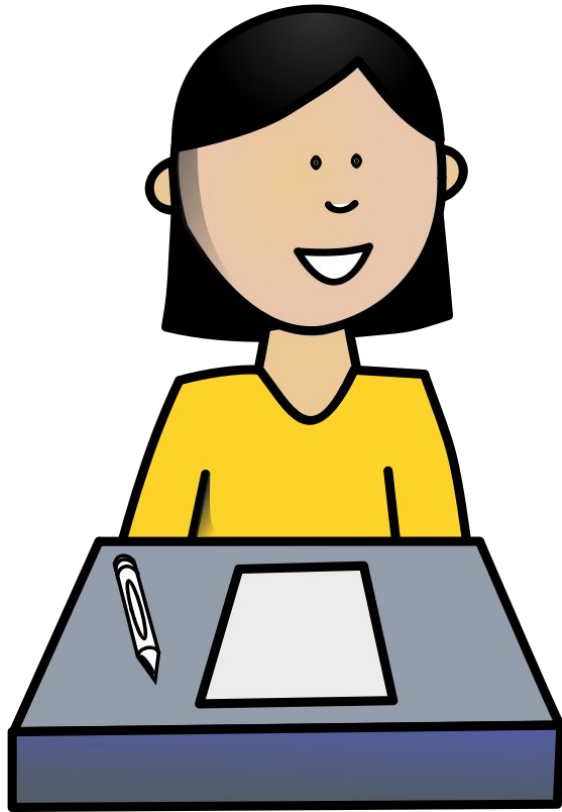


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by Christine Alvarado, Mia Minnes, and Leo Porter, 2015.

# Learn about the material



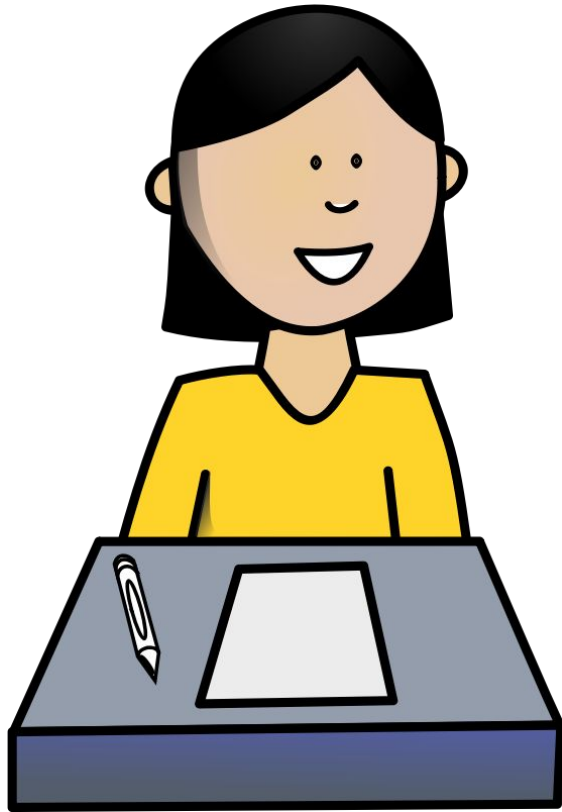
# Learn about the material



# Check your understanding



# Check your understanding



?

# Solve a Problem

```
for(int i = 0; i < 10; i++)
```

**How many times does  
"i<10" execute?**

- A. 9 times**
- B. 10 times**
- C. 11 times**

# Discuss with other learners

```
for(int i = 0; i < 10; i++)
```

**How many times does  
"i<10" execute?**

- A. 9 times
- B. 10 times
- C. 11 times



# Discuss with other learners

```
for(int i = 0; i < 10; i++)
```

Does it test  
when it exits?

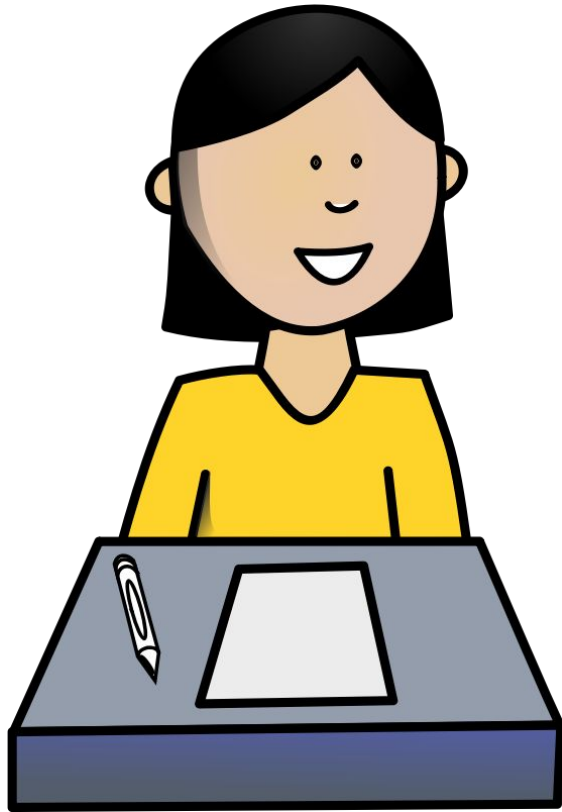
How many times does  
"i<10" execute?

- A. 9 times
- B. 10 times
- C. 11 times



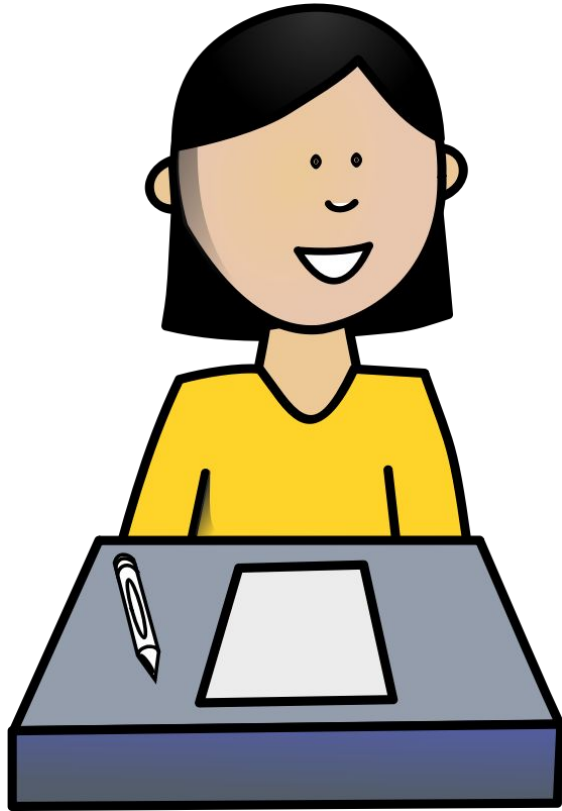


# Watch UC San Diego learners discuss



**It's easy to  
forget the  
last check.**

# Hear our explanation



$i < 10$   
executes 11  
times, here's  
why.

# Concept Challenge

- **Pause** Try to solve the problem yourself
- **Discuss** with other learners (if you can)
- **Watch** the UCSD learners video
- **Confirm** your understanding with our explanation

