

# Quiz 03

**Due** Feb 12 at 10pm**Points** 10**Questions** 5**Time Limit** None

## Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides. You will receive a score of 0 if you copy the prose from the slides.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	859 minutes	10 out of 10

Score for this quiz: **10** out of 10

Submitted Feb 12 at 5:39pm

This attempt took 859 minutes.

### Question 1

**2 / 2 pts**

Describe Test Driven Development. Which comes first, the code or the tests?

Your Answer:

The primary goal of Test driven development is to make code clear and simple. It encourages the developer to write test cases for each functionality and only if the automated test cases fail then the user to need to change the code which also lowers the duplication of code.

Test comes first and then code.

### Question 2

**2 / 2 pts**

What are the advantages and disadvantages of debugging with print statements?

Your Answer:

**Advantages:** Anyone can perform it. It is simple to use.

**Disadvantages:** To remove print statements may be difficult at times because they may be used at many places and it is necessary to remove it after debugging.

### Question 3

2 / 2 pts

How do breakpoints help with debugging?

Your Answer:

Breakpoints are a pause which can be set manually by the developer or debugger to test the program with certain intervals and check if the program works as expected. It also helps in detecting and fixing bugs in the program.

### Question 4

2 / 2 pts

What is the difference between step in and step over debugger commands?

Your Answer:

**Step in:** Step in basically executes line by line. If the line contains a function it will debug the function line by line.

**Step over:** It is an action to step over the given line. It executes the function and then directly returns the output without executing the function line by line.

**Question 5****2 / 2 pts**

Describe the divide and conquer strategy for debugging.

Your Answer:

It is a repetitive process of dividing your code in halves until you find the bug. For example, if there's more than a thousand lines of code so it'll be difficult to find the bug in it so using Divide and conquer we can do is divide the code in half, then find which half has bugs and the repeat the same process until you find the bug.

Quiz Score: **10** out of 10