Back End Development     DevOps     Front End Development						
Front End Development						
O Database Administration						
Correct That's correct! DevOps is a set of practices and tools that integrates development and IT operations to automate and streamline development and deployment.						
This part of an application deals with business logic, workflow, and data storage and retrieval.	/1 point					
○ Caching						
O DevOps						
O Front end						
Back end						
Correct That's correct! The back end of the application deals primarily with data retrieval and manipulation, while the front end displays that data.						

Python  Redis  DRF  React  Correct  That's correct! React is a popular JavaScript framework used by front end developers.  A web application has a front end, back end, and a database, and all three are located on the same physical server. These components of the application are referred to as what?  Tiers  Layers  Stacks  Services  Correct		A full stack developer may be responsible for interfacing with tools like PostgreSQL and MySQL. In which part of the stack listed below would these tools belong?	1/1
Front end User interface  Correct That's correct! These are examples of relational databases that are part of the data stack in the back end.  Which one of the following is used in the front end?  Python Redis DRF React  Correct That's correct! React is a popular JavaScript framework used by front end developers.  A web application has a front end, back end, and a database, and all three are located on the same physical server. These components of the application are referred to as what?  Tiers Layers Stacks Services  Correct	(	○ DevOps	
<ul> <li>User interface</li> <li>✓ Correct         That's correct! These are examples of relational databases that are part of the data stack in the back end.     </li> <li>4. Which one of the following is used in the front end?</li> <li>1/1</li> <li>○ Python</li> <li>○ Redis</li> <li>○ DRF</li> <li>④ React</li> <li>✓ Correct         That's correct! React is a popular JavaScript framework used by front end developers.     </li> <li>5. A web application has a front end, back end, and a database, and all three are located on the same physical server. These components of the application are referred to as what?         Tiers         ● Layers         Stacks         Services         ✓ Correct     </li> </ul>	(	Back end	
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<ul><li>■ Layers</li><li>○ Stacks</li><li>○ Services</li><li>○ Correct</li></ul>			1/1
○ Stacks ○ Services ○ Correct	(	O Tiers	
○ Services	(	Layers	
	(	) Stacks	
	(	Services	
considered layers rather than tiers.		That's correct! Since all three components of the application are on the same physical server, they are	

	a 4-tier architecture, the tier is added to the 3-tier architecture.	1/1 point
•	delivery	
C	) application	
C	) data	
C	) presentation	
	Correct That's correct! This is done by adding tools like CDNs to the 3-tier architecture to aid in the faster delivery of content to clients.	
<b>.</b>		
1. Ir	rue/False: When using an N-tier architecture, it is easier to secure an application.	1/1 point
•	) True	
C	) False	
	Correct That's correct! Since the application is separated into its components, it can be easier to secure the application.	
8. Th	his is the computer or other device used to communicate with the back end of an application.	1/1 point
•	) Client	
C	) Server	
C	) Core	
C	) API	
	Correct That's correct! The client can be "thin" (just providing a user interface) or "thick" (consuming data and	

9.	Which of the following are client-server architectures? Select all that apply.	0.8 / 1 point
	✓ All multiplayer games.	
	✓ Correct That's correct! All multiplayer games require a server and the mobile device acts as a client.	
	A chat application, like WhatsApp.	
	Correct That's correct! A chat application like WhatsApp has a client application that runs on the client's device, and communication happens via the servers.	
	✓ Websites	
	Correct That's correct! Every website or web application requires at least a client and a server to function properly.	
	<ul> <li>☐ Home appliances connected to the internet.</li> <li>☐ All mobile applications.</li> </ul>	
	You didn't select all the correct answers	
10.	Which of the following can be used as both a layer and a tier? Select all that apply.	0.6 / 1 point
	✓ Database	
	Correct That's correct! You can keep the database on the same server where the application code is hosted as well as host it on a separate server. So a database can be treated as both a layer and a tier.	
	✓ Firewall	
	Correct That's correct! There are software firewalls which can be hosted on the same machine where the application code is hosted and it can also be hosted on a separate server.	