1. Which phase of the Twelve-Factor Methodology contains Port binding?
DeployConfigureOperateCode
Correct Correct. Deploy phase of the delivery lifecycle contains: Config, Backing services, Processes, and Port binding.
2. What makes an application concurrent? O It should store config in environment variables O It should have a minimal process start time O It should contain the same backend services across environments It should be stateless
Correct Correct. If processes are stateless and share nothing, an application can start additional processes to scale horizontally and handle the additional workload without creating interdependencies among processes.

3.	In a microservice architecture, you should	
	Use a different technology stack for each service	
	Scale all services together	
	O Deploy all services together	
	Create interdependency among services	
 Correct Correct. Teams can choose even different programming languages for different components as the dependent on each other via an API endpoint. 		
4.	Select the correct answer that completes this sentence:	
7.		
	Monolith annication has components	
	Monolith application has components.	
	○ Scalable	
	○ Scalable ○ Independent	
	Scalable Independent Reusable	
	○ Scalable ○ Independent	
	Scalable Independent Reusable	

5.	Which component of services design in an SOA architecture defines how the service provider and service consumer should interact?
	O Interface
	Contract
	O Implementation
	Own storage
	 Correct Correct. A contract defines how the service provider and service consumer should interact.
6.	What is the purpose of Backend For Frontend?
	Customized user experiences
	O Loading one interface that never reloads
	O Service discovery
	Refactoring in stages
	Correct Correct. The BFF pattern allows developers to create and support one backend type per user interface using the best options for that interface rather than trying to support a generic backend that works with any interface but may negatively impact frontend performance.

7. What is	s the purpose of the Strangler pattern?
○ Si	implifies the front-end experience
Su	upports refactoring in stages
O He	elps with third-party API integrations
O Co	ombine functional domains
1	Correct Correct. With the Strangler pattern, you use the structure of a web application to split an application into multiple functional domains and replace those domains with a new microservices-based implementation for one domain at a time.
	services should be broken into smaller services when:
_	unctional reusability is required
	efactoring is required
Co	ommon data model becomes overly complex
(Correct Correct. If your data model becomes too broad, it is time to split the service and functionally segregate them.
9 Wh	at is the requirement of Microservices?

O Inc	dependent storage
10.\	What is the requirement of a development and production environment?
(O Different source control
(Different dependencies
(Embedded access details in code
(Similar backing services across the environments.
	Correct Correct. If you use a MySQL database in production, you should use the same version of MySQL database in your development environments.