

Question Bank – Introduction to DevOps

UNIT - 3

1. Explain Dockers. Explain why to use Dockers.
 2. Advantages and disadvantages of Dockers.
 3. List and explain the different features of Dockers.
 4. Describe
 - i. Different components of Dockers
 - ii. Advanced components of Dockers
 5. Explain the Docker Elements.
 6. Describe the Dockerfile Instructions used in writing Docker files.
 7. List the steps involved in building and running a container on a local machine.
 8. What are Kubernetes?
 9. Explain
 - i. Key objects of Kubernetes.
 - ii. Features of Kubernetes.
 - iii. Kubernetes Architecture.
 10. With the help of a Kubernetes deployment YAML specification file, deploy the instance of the Docker image with web application.
 11. Explain the Azure Kubernetes Service.
 12. What are the advantages and disadvantages of Azure Kubernetes Service?
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UNIT-4 QB

1. What is a Postman tool? Explain the uses of Postman.
2. What is a request in Postman? Explain the main parameters of a request.
3. What are the different variable scopes in Postman?
4. Write the codes in Postman to perform the following tests in the Tests tab
 - i. That the return code of the request is 200
 - ii. That the response time of the request is less than 400 ms
 - iii. That the answer is not an empty JSON

- iv. That the return JSON response contains the userId property, which is equal to 1
 - 5. Explain the tool used to automate tests that are written in Postman.
 - 6. Describe the architecture of SonarQube.
 - 7. Describe the real-time analysis with SonarLint.
 - 8. Explain
 - i. Penetration Testing.
 - ii. Performance Testing.
 - 9. Describe the different metrics used to determine the performance of an application.
 - 10. What is the use of ZAP tool? List and explain the functionalities supported by ZAP.
 - 11. Explain the working of ZAP with a neat diagram.
 - 12. Describe the ZAP Terminologies.
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