DevOps: Continuous Integration 10 Questions

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},

"question1": "Before each commit, a developer does what to their code to verify it's validity before integrating?",

"answer1": [

{

"A": "Run a unit test"

},

{

"B": "Have a co-worker look over it for them"

},

{

"C": "Spell checks"

},

{

"D": "All of the above"

}

],

"question2": "What is the automatic building and testing of code called?",

"answer2": [

{

"A": "Continuous Integration"

},

{

"B": "DevOps"

},

{

"C": "Continuous Delivery"

},

{

"D": "Six Sigma"

}

],

"question3": "Why is it important for developers to commit changes daily?",

"answer3": [

{

"A": "Because best practices says so"

},

{

"B": "It can become more difficult to find and fix problems"

},

{

"C": "You may lose your all of your work"

},

{

"D": "None of the above"

}

],

"question4": "Automatic builds do what when it grabs the latest code from the shared repository?",

"answer4": [

{

"A": "Test and deploys"

},

{

"B": "Makes it available for editing"

},

{

"C": "Does nothing"

},

{

"D": "Builds, tests, and validates the full master branch"

}

],

"question5": "What are some benefits of using Continuous Integration?",

"answer5": [

{

"A": "No more long integrations"

},

{

"B": "Greater communication, due to increased visibility"

},

{

"C": "Code is tested as it's built so it's quicker to find out if it's working"

},

{

"D": "All of the above"

}

],

"question6": "True or False. Continuous Integration completely eliminates bugs?",

"answer6": [

{

"A": "True"

},

{

"B": "False"

}

],

"queston7": "Which tools are important to help maintain single-source code?",

"answer7": [

{

"A": "Configuration management"

},

{

"B": "Version control systems"

},

{

"C": "Repositories"

},

{

"D": "All of the above"

}

],

"question8": "A self-testing build is one that does what?",

"answer8": [

{

"A": "Complies and links all the additional files required to execute the program"

},

{

"B": "Complies and links only the essential files required to execute the program"

},

{

"C": "Ensures that all components, elements, modules, and routes work properly"

},

{

"D": "None of the above"

}

],

"question9": "True or False. Continuous Integration is that it allows for the removal of a variation of sources and defects that manual builds may have missed?",

"answer9": [

{

"A": "True"

},

{

"B": "False"

}

],

"question10": "Which of the following are best practices for Continuous Integration?",

"answer10": [

{

"A": "Maintain a single-source repository"

},

{

"B": "Automate the build"

},

{

"C": "Automate the deployment"

},

{

"D": "All of the above"

}

]

}