

# Rust and GitHub Tools – Questions and Answers

## Question 1

What is the recommended tool for setting up Rust on your system so that it works with Visual Studio Code?

- Codespaces for Rust
- GitHub Copilot
- **RustUp the toolchain installer**
- Rust Analyzer extension

## Question 2

What are some benefits of using dev containers in Codespaces?

- Seamless integration with GitHub Copilot
- Automated code suggestions and completions
- **Consistent development environments across different machines**

## Question 3

Which tool provides AI pair-programming capabilities?

- RustUp the toolchain installer
- Codespaces for Rust
- **GitHub Copilot**
- Rust Analyzer extension

## Question 4

What is the role of dev containers in Codespaces?

- Customizing the environment in Visual Studio Code
- Enhancing code analysis and linting for Rust projects
- **Providing consistent and reproducible development environments**
- Enabling AI pair-programming capabilities

## Question 5

What are some benefits of using Codespaces for Rust?

- **Seamless integration with Visual Studio Code**
- Streamlined installation process for Rust
- **AI pair-programming capabilities**
- Advanced code analysis for Rust projects

## Question 6

What is the purpose of using AI pair-programming tools like GitHub Copilot?

- To optimize Codespaces and manage quotas
- To provide an introduction to GitHub Copilot
- To enable seamless integration with Visual Studio Code
- **To assist developers with code suggestions and completions**

## Question 7

What are some advantages of using Codespaces for online development?

- **Enhanced collaboration through shared development environments**
- Automated code analysis and debugging capabilities
- Optimized performance for resource-intensive applications
- **Simplified installation process for multiple programming languages**

## Question 8

What is the purpose of setting up a Student Account with GitHub?

- Enabling AI pair-programming tools
- **Accessing educational resources and benefits**

- Customizing the editor in Visual Studio Code
- Understanding usage and quotas of Codespaces

## Question 9

**What are the benefits of using GitHub Copilot for AI-powered coding assistance?**

- Streamlined installation process for multiple programming languages
- **Automated code suggestions and completions**
- **Seamless integration with Visual Studio Code**
- Enhanced performance for resource-intensive applications

## Question 10

**What can developers accomplish using Codespaces?**

- Accessing the installation guide for Rust on Windows
- Enabling GitHub Copilot for AI-powered coding assistance
- Managing quotas and optimizing performance for online development
- **Developing and collaborating on projects online**