

# Linux Foundation RVFA

**Linux Foundation RISC-V Foundational Associate**

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## Question: 1

What is a fundamental aspect of Operating Systems in the context of RISC-V?  
Response:

- A. Implementing basic OS functionality in RISC-V ASM
- B. Developing web applications
- C. Creating graphic designs
- D. Managing corporate finances

**Answer: A**

## Question: 2

Disassembly in RISC-V C programming helps in:  
Response:

- A. Converting assembly code to high-level language
- B. Network configuration
- C. Website optimization
- D. Understanding the compiled code's machine instructions

**Answer: D**

## Question: 3

A key difference between microcontrollers and application processors in RISC-V is:  
Response:

- A. Their role in social media
- B. The complexity of tasks they handle
- C. Their use in graphic design
- D. Their ability to manage finances

**Answer: B**

## Question: 4

Who can contribute to the development of RISC-V?

Response:

- A. Only selected corporations
- B. Only academic institutions
- C. Only RISC-V International members
- D. Any interested party

**Answer: D**

### Question: 5

Which of the following is true about RISC-V assembly language?

Response:

- A. It's identical to ARM assembly
- B. It does not support loops
- C. It has unique syntax and features
- D. It's primarily for database manipulation

**Answer: C**

### Question: 6

Performance tools in RISC-V C programming are used to:

Response:

- A. Improve website traffic
- B. Enhance code efficiency and speed
- C. Design user interfaces
- D. Manage online content

**Answer: B**

### Question: 7

What are ABIs in the context of RISC-V C programming?

Response:

- A. Application Binary Interfaces
- B. Automated Banking Interfaces

- C. Audio Broadcasting Interfaces
- D. Artificial Bot Intelligence

**Answer: A**

### Question: 8

In RISC-V, a microcontroller differs from an application processor in terms of:  
Response:

- A. Graphic design capabilities
- B. Computing power and application scope
- C. Website development
- D. Social media management

**Answer: B**

### Question: 9

Running RISC-V applications in a General-Purpose OS involves:  
Response:

- A. Enhancing website aesthetics
- B. Compatibility and integration with the OS
- C. Graphic design
- D. E-commerce management

**Answer: B**

### Question: 10

Understanding calling conventions in RISC-V C programming is crucial for:  
Response:

- A. Graphic design
- B. Web development
- C. Function invocation and argument passing
- D. Data analysis

**Answer: C**

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