

[By OnlineInterviewQuestions.com](http://OnlineInterviewQuestions.com)

[Raspberry Pi Interview Questions](#)

Raspberry Pi is the newest launch under the Internet Of Things. This Raspberry Pi is a card-sized computer that is available at affordable prices. While you prepare for Raspberry Pi interview questions you need to greatly focus on technical skills. The questions will test your working knowledge with Raspberry Pi. Some Raspberry Pi interview questions also focus on the type of hardware it uses. There are several uses of Raspberry Pi, so you must also be ready to explain how it became sensational in a short time. Thus, **Raspberry Pi Interview Questions** will be based on its general uses in everyday life. The job-seeking people for Raspberry Pi should also be very clear in basic computer fundamentals too. It will be very essential at the later date too. Certain **Raspberry Pi Interview Questions** will test your basic coding skills also.

Here are some of the very common things that you need to know when you are preparing for **Raspberry Pi Interview Questions**.

Q1. [What is Raspberry Pi?](#)

Raspberry Pi is a microcomputer that we can connect with any keyboard, mouse or a monitor. Raspberry Pi is able to perform all tasks like creating word documents, spreadsheet, browsing, coding, games and much more. It is a tiny Linux computer that is used by many companies for performing all computer-based activities, learning and electronic projects. The Raspberry Pi uses a 32 bit ARM processor and was first developed by Raspberry Pi Foundation. The low cost makes it more popular among young people.

Q2. [What are the different components of a Raspberry Pi board?](#)

The Raspberry Pi board contains a 700 or 900 MHz processor with a minimum memory provision of 128 MB. It has an additional slot for memory card too. There is a graphics set up, USB port for connecting keyboard or mouse. Raspberry Pi comes along with an audio or video output option to connect your monitor. There is an HDMI port too for connecting with TV.

Q3. [How does the Raspberry Pi work?](#)

The memory card slot is used for inserting an SD card that acts as the hardware of Raspberry Pi. The USB port, HDMI port, and the audio/video port help us connect with a monitor, TV or any other device. This is how Raspberry Pi is capable of working anytime and anywhere. The processor gives the correct speed for running our computer programs all the time.

Q4. What is the NOOBS software all about?

NOOBS or New Out Of The Box Software is used for initializing Raspberry Pi for the first time. This is the easiest way possible to install Raspberry Pi anywhere. It requires no additional access for network or any imaging software. To set up Raspberry Pi, we need the NOOBS zip file which is to be downloaded. After that we can insert an SD card, connect Monitor, keyboard or mouse and start using Raspberry Pi.

Q5. What are GPIO Pins used in Raspberry Pi boards?

GPIO is the acronym for General Purpose Input Output Pin. They are more like switches on the board that gives an output voltage when high and give no voltage when turned to low. This is used in the Raspberry Pi boards to make an interface between the Raspberry Pi and all the components of the board. This enables multiple interactions and makes internal properties of devices easily available on board.

Q6. Can Raspberry Pi be used as a server?

Yes, like we use Raspberry Pi for the desktop we can use it for the server as well. Raspberry Pi allows us to utilise it like a Web server that can help us create a simple site or even store data in the cloud. This can be accessed at any time. We can develop new templates without paying any monthly hosting fee. Raspberry Pi is thus an affordable web server too. This is very suitable for small business and for people who want to learn easy web languages.

Q7. What is the language used by Raspberry Pi?

Raspberry Pi uses Python as its official programming language. Python is one of the most user-friendly programming language used. It is also preferred by many companies for system development. Raspberry Pi helps us to quickly release our projects with Python. Raspberry Pi is preloaded with Python which has comprehensive syntax.

Q8. How is Raspberry Pi different from Arduino?

Raspberry Pi uses Linux OS and is a general purpose microcomputer. It is capable of running multiple programs at a time, while the Arduino is a simple microcomputer that is capable of running one program only.

Q9. How is Raspberry Pi used in IoT?

Raspberry Pi can be used as a platform to develop many Internet of Things project. It is simple to use Raspberry Pi because it uses Linux OS in a small card like a computer. It is also available in low cost. IoT, on the other

hand, refers to a network of devices and software that help us to connect and exchange data. Raspberry Pi is easy to set up, so it is recommended for IoT.

Q10. Why do you think we must use the Raspberry Pi?

Raspberry Pi is ideal for creating projects. We can use it when we need computers but not advanced processing and hence save space. Raspberry Pi can be used as an alternative to a desktop or even use it as a photography tool at a low cost. There are options to create Google Home, light sensing switch and a retro gaming console. The Raspberry Pi has a wide range of uses that are essential in companies that idealize innovation.

Q11. Are we likely to confront any overheating problems with Raspberry Pi?

No, Raspberry Pi is free of overheating issues and does not require a fan for cooling too. It is designed in such a way that it can withstand about 100 degree Celsius. This will help us finish projects in the safest way possible.

Q12. How can you measure power consumption used by Raspberry Pi?

The power consumption for Raspberry Pi varies from model to model. However, it is relatively low than a complete computer system. It can be measured using a multimeter.

Q13. What are the generations of Raspberry Pi available?

Starting from Raspberry Pi Zero, there have been many improvements in the versions. Raspberry Pi 1, Pi 2, Pi 3 are available and A, A+, B indicate the power consumption.

Q14. Tell about any interesting project with Raspberry Pi.

Recently, the Astro Pi project is accelerating the use of Raspberry Pi in space stations. This is aiming to write codes in space using Raspberry Pi.

Q15. What kind of projects have you done with Raspberry Pi?

A lot of innovative projects can be done using Raspberry Pi. Like using cameras, using it like a media center and more.

You can explain about your project in detail and how your idea will benefit the world.

Please Visit OnlineInterviewquestions.com to download more pdfs