Printing Hello, World using Cargo

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
https://sakshat.ac.in

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Learning Objectives

In this tutorial, we will learn:

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▶ **How to create a** `Cargo project`

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In this tutorial, we will learn:

- **How to create a** `Cargo project`
- **Execute it**

System Specifications

This tutorial is recorded using:

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► **Ubuntu Linux OS version 18.04**

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- **Ubuntu Linux OS version 18.04**
- **Rust version 1.47.0**

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- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **Rust version 1.47.0**
- ▶ **Visual Studio Code version 1.45.0 (code editor)**

Prerequisites

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▶ **You should be familiar with basic** `Linux` `commands`

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- **You should be familiar with basic** `Linux` `commands`
- **If not, please go through the prerequisite tutorials on** `https://spoken-tutorial.org`

Why Cargo?

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Why Cargo?

- ▶ Cargo **is a** `Rust build system` **and** `package manager`

- ▶ `Rustaceans` **use** `cargo` **to manage their** `projects` **as it makes the** `developer's` **life easier**

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- ► **Takes care of building our code**
- ► **Downloading and managing** `libraries` **that our code depends on**
- ► **Complex** `Rust` **programs need these** `dependencies` **to develop** `Rust projects`

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  `cargo new project_name`
- **To** compile, **use** `cargo build`
- **To** run, **use** `cargo run`

Summary

In this tutorial, we have learnt:

▶ **How to** `create,` `compile` **and** `execute` **a** `Cargo`
`project`

Assignment

- **Create a** `cargo project` **named** `rust-assignment`
- **Print** - `Welcome to Spoken Tutorials!`
- `Compile` **and** `execute` **the project**
- **Observe the output in the** `Terminal`

About Spoken Tutorial project

- ▶ **Watch the video available at https://spoken-tutorial.org /What_is_a_Spoken_Tutorial**
- ▶ **It summarises the Spoken Tutorial project**
- ▶ **If you do not have good bandwidth, you can download and watch it**

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ **Conducts workshops using spoken tutorials**
- ▶ **Gives certificates to those who pass an online test**
- ▶ **For more details, please write to contact@spoken-tutorial.org**

Answers for THIS Spoken Tutorial

► **Questions in THIS Spoken Tutorial?**

► **Visit https://forums.spoken-tutorial.org**

► **Choose the minute and second where you have the question**

► **Explain your question briefly**

► **The Spoken Tutorial project will ensure an answer**

► **You will have to register to ask questions**

Acknowledgements

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Thank you

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