

# Functions and Returning value from Function

**Spoken Tutorial Project**

<https://spoken-tutorial.org>

**National Mission on Education through ICT**

<https://sakshat.ac.in>

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# Learning Objectives

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- ▶ **Create a function**



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- ▶ **Create a parameterized function**



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- ▶ Create a parameterized function
- ▶ Return a **value from a function**



# 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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**This tutorial is recorded using:**

- ▶ **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** compiling and running Rust **files**



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- ▶ **You should be familiar with** `compiling and running Rust files`
- ▶ **If not, please go through the prerequisite Rust tutorials on** <https://spoken-tutorial.org>



# Code Files

- ▶ The file used in this tutorial is available in the Code files link on this tutorial page



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- ▶ **Pls download and extract the file**



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- ▶ Pls download and extract the file
- ▶ Make a copy and then use it for practising



# Functions

- ▶ **Function is a block of organised code, used to perform a single related action**





# Functions

- ▶ Function is a block of organised code, used to perform a single related action
- ▶ Functions provide better modularity for our application



# Functions

- ▶ Function is a block of organised code, used to perform a single related action
- ▶ Functions provide better modularity for our application
- ▶ High degree of code reusability



# Summary

In this tutorial, we have learnt to:

- ▶ Create a function
- ▶ Create a parameterized function
- ▶ Return a **value** from a function



# Assignment

- ▶ **Go to the project folder** `rust-assignment`
- ▶ **In the `main.rs` file**
  - ▶ **Create a function that accepts a number as a parameter**
  - ▶ **Print EVEN if the number is even**
  - ▶ **Else print ODD**



# Assignment

- ▶ 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](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](mailto: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

- ▶ **Spoken Tutorial project is funded by Ministry of Education (MoE), Govt. of India**



# Thank you

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