

# Control Statements

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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# Learning Objectives

In this tutorial we will learn to use



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In this tutorial we will learn to use

- **if statement**



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- **if** statement
- **elsif** statement



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- **if** statement
- **elsif** statement
- **else**



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In this tutorial we will learn to use

- **if** statement
- **elsif** statement
- **else**
- **case statements**



# System Requirements

Here we are using



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- **Ubuntu version 12.04**



# System Requirements

Here we are using

- Ubuntu version 12.04
- Ruby 1.9.3



# Prerequisites

To follow this tutorial, you must have



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To follow this tutorial, you must have

- **Internet Connection**



# Prerequisites

To follow this tutorial, you must have

- Internet Connection
- Knowledge of Linux commands, Terminal and Text-editor



# Prerequisites

To follow this tutorial, you must have

- Internet Connection
- Knowledge of Linux commands, Terminal and Text-editor
- If not, for relevant tutorials, please visit <http://spoken-tutorial.org>



# "if" statement

- The syntax of the **if** statement in Ruby is as follows:



# "if" statement

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# "if" statement

- The syntax of the **if** statement in Ruby is as follows:  
if "condition"  
    ruby code  
end



# "if" statement

- The syntax of the **if** statement in Ruby is as follows:  
if "condition"  
    ruby code  
end
- Let us look at an example



# "else" statement

- **Syntax of else in Ruby is as follows:**



# "else" statement

- Syntax of **else** in Ruby is as follows:



# "else" statement

- Syntax of **else** in Ruby is as follows:  
if "condition"  
    ruby code  
else  
    ruby code  
end



# "else" statement

- Syntax of **else** in Ruby is as follows:  
if "condition"  
    ruby code  
else  
    ruby code  
end
- **Let us look at an example**



# "elsif" statement

- Syntax of the **elsif** statement is as follows:



# "`elsif`" statement

- Syntax of the `elsif` statement is as follows:



# "elsif" statement

- Syntax of the **elsif** statement is as follows:

```
if "condition"  
    ruby code  
elsif "condition"  
    ruby code  
else  
    ruby code  
end
```



# "elsif" statement

- Syntax of the **elsif** statement is as follows:

```
if "condition"
```

```
  ruby code
```

```
elsif "condition"
```

```
  ruby code
```

```
else
```

```
  ruby code
```

```
end
```

● Let us look at an example



# case statement

- **Syntax of case is as follows:**



# case statement

- Syntax of **case** is as follows:



# case statement

- Syntax of **case** is as follows:

case variable

when "value 1"

ruby code

when "value 2"

ruby code

else

ruby code

end



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# case statement

- Syntax of **case** is as follows:

case variable

when "value 1"

ruby code

when "value 2"

ruby code

else

ruby code

end



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- **Let us look at an example:**



- **Let us look at an example:**



- **Let us look at an example:**



# Summary

In this tutorial we have learnt:

- **if** statment
- **else** construct
- **if-elsif**
- **case** statement



# Assignment I

**As an assignment**

- **Write a ruby program**



# Assignment II

- that prompts a user to enter a number
- then use the appropriate control -statement
- to check if the number is a multiple of 2
- if it is then print "The number entered is a multiple of 2"
- similarly do the check for 3 and 4 and print appropriately



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarises the Spoken Tutorial project



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- 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)



# Acknowledgements

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- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

