

Control Statements

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Anjana Nair

30 May 2013



Learning Objectives

In this tutorial we will learn to use



Learning Objectives

In this tutorial we will learn to use

- **if statement**



Learning Objectives

In this tutorial we will learn to use

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



Learning Objectives

In this tutorial we will learn to use

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



Learning Objectives

In this tutorial we will learn to use

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



System Requirements

Here we are using



System Requirements

Here we are using

- **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



Prerequisites

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

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



"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:



Talk to a Teacher

case statement

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



Talk to a Teacher

case statement

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

case variable

when "value 1"

ruby code

when "value 2"

ruby code

else

ruby code

end



case statement

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

case variable

when "value 1"

ruby code

when "value 2"

ruby code

else

ruby code

end



- 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
- It summarises the Spoken Tutorial project



About the Spoken Tutorial Project

- Watch the video available at http://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



Acknowledgements

- Spoken Tutorial Project is a part of the Talk to a Teacher project
- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

