

Java Programming Lab Manual

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IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

JAVA PROGRAMMING LAB MANUAL

Editors

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January 2011



IIUM Press

Published by:
IIUM Press
International Islamic University Malaysia

First Edition, **2011**.
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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Bibliography p.
Includes Index
ISBN

ISBN: 978-967-418-086-7

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM
(Malaysian Scholarly Publishing Council)

Printed by :
IIUM PRINTING SDN. BHD.
No. 1, Jalan Industri Batu Caves 1/3
Taman Perindustrian Batu Caves
Batu Caves Centre Point
68100 Batu Caves
Selangor Darul Ehsan

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Chapter 7

Conditional Statements

Asadullah Shaikh, Zeeshan Bhatti, Asadullah Shah

Abstracts

The Java provides two types of conditional or selection statements, *If-Else* and *switch*. The conditional statements are used to evaluate a particular condition and to choose between the two execution paths based on the result of the 'if' statement. In this chapter we are going to discuss the structure of *if()* statement along with If-Else statement and how they behave.

7.1 The If Statement

The *if()* statement uses a Boolean argument as in input and decides if the statements with in 'if' block should be executed or not. Often you will use a comparison or relational expression to provide this argument. The Syntax of *if* statement is as follows:

```
if ( <boolean expression> ) {  
    <then block>  
}
```

The Figure 7.1 below explains the structure of the *if*-statement further.

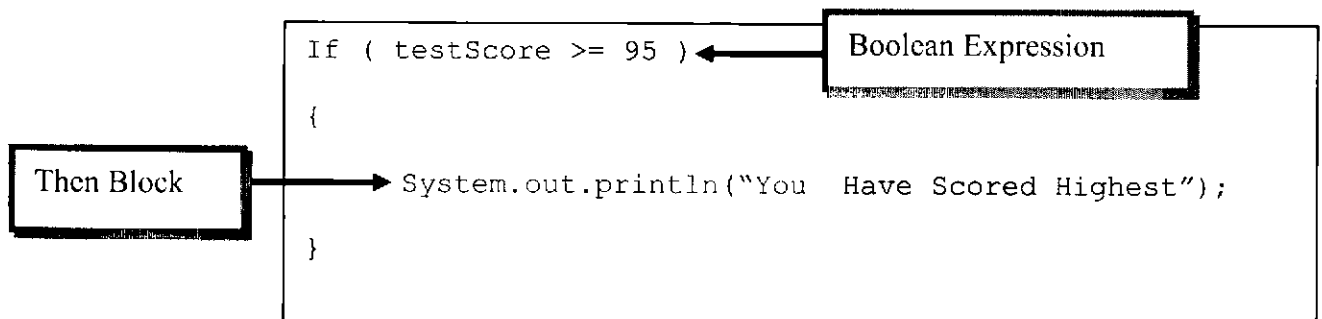


Figure 7.1: the structure of *if()* statement