

King Saud University College of Computer and Information Sciences Computer Science Department	
CSC 111 Introduction to Programming with Java	First Semester 1440-1441

Tutorial # 2

Q1. Design an algorithm to report patient blood pressure according to the following criteria:

- If the blood pressure is below 50; then the program should display “***Low pressure***”.
- If the blood pressure is in range from 70 to 120; then the program should display “***Normal pressure***”.

1. Start the program
2. Read the variable and save it as blood
3. If blood < 50
 print Low pressure
4. If blood >= 70 and blood <= 120
 Print Normal pressure
5. End the program

Q2. State whether the following identifiers are legal or illegal. Indicate the error in the illegal cases.

Identifier	Legal or Illegal
a-b	Illegal, dash
R5R	Legal
var1	Legal
\$ var1	Legal
final_score	Legal
final score	Illegal, space
123AVG	Illegal, begins with a digit

Q3. Correct the errors in the following code segment:

1	<code>public class Tutorial_2</code>	Correct
2	<code>{</code>	Correct
3	<code>public static void main (String[] args)</code>	Correct
4	<code>{</code>	Correct
5	<code>int n = 12;</code>	variable undefined
6	<code>char letter = '1';</code>	char initialization should have ' ' around the character
7	<code>int one = 1500 1,500;</code>	comas are not included in numbers
8	<code>double x = ;</code>	after an assignment operator there should be a value or a variable declaration only such as double x;
9	<code>System.out.println("Welcome to Java");</code>	strings should have " " around the string
10	<code>}</code>	Correct
11	<code>}</code>	Correct