

**ENTRANCE TEST SAMPLE FOR  
SPECIALIST DIPLOMA IN FULL  
STACK  
WEB DEVELOPMENT / SPECIALIST  
DIPLOMA IN MOBILE APPS  
DEVELOPMENT**

**Special instructions for Entrance Test:**

- (a) It is a closed-book written test.
- (b) There will be 4 structured coding questions
- (c) Participants can write their code using any of the following programming languages:
  - Java
  - Javascript
  - C#
  - C/C++
  - Visual Basic
- (d) The entrance test will only assess you on basic programming concepts as follows:
  - Print Statements to Screen
  - Variables and Types
  - Conditionals
  - Arrays
  - Loops

You may want to refer to the following website for info on the above topics as our entrance test will follow closely to the content of this website (Learn the Basics):

<http://www.learnjavaonline.org/>

**Sample question for reference:**

Assume a variable BMI (a number) is given. With this BMI, write codes to determine whether a person is underweight, normal, overweight or obese and print out the corresponding message according to the table below:

BMI (kg/m <sup>2</sup> )	Message to display
Less than 18.5	"You are underweight."
More than or equals to 18.5 and less than or equals to 24.9	"Your weight is normal."
More than or 24.9 and less than or equals to 29.9	"You are overweight."
More than 29.9	"You are obese."

For example, if BMI value of 21.5 is given, your program should print "Your weight is normal".