

COE 351: OBJECT-ORIENTED PROGRAMMING

LAB ACTIVITY 2

FLOW OF CONTROL

INTRODUCTION

You need a good understanding of arrays, conditions and loops. Once again, you are advised to try these practice questions before coming to the lab.

PRACTICE

1. Build a body mass index calculator.
2. The program must ask for a person's height in centimeters and weight in kilograms, one after the other. It should then display the BMI in kg/m^2 .
3. If the BMI is less than 18.5, the program also should respond with "You are underweight."
4. If BMI falls in the range 18.5 and 24.9, the program should respond with "Your weight is normal."
5. Between 25 and 29.9, it should respond with "You are overweight."
6. Between 30 and 39.9, the expected response should be "You are obese."
7. For a BMI of 40 and above, the program's response should be "You are morbidly obese."