Fundamentals of Programming 1 Exercise sheet 10 – 10%

*** READ THE QUESTIONS CAREFULLY *** *** NAME YOUR FILES Question1.java etc *** *** SUBMIT NEAT AND TIDY CODE (INDENT) ***

Test your procedures/functions by calling them in the main method of the Java program

Ouestion 1

Write a Java program that declares a <u>procedure</u> called *menu* which prints the following message to screen. **NOTE:** No need for loops, just use **println** for each line of the menu. The exact number of *'s does not matter.

Question 2

Write a Java program that declares a **procedure** called **printAscii** that displays the printable characters on the ascii table to screen. The output from the procedure should look as follows:



Ouestion 3

Write a Java program that converts its command line arguments to uppercase and prints them to the screen.

StephenSheridan@Lpt-50017434 Examples % java Question3 java programming rocks JAVA PROGRAMMING ROCKS

Question 4

Write a Java program that prompts the user to enter the radius of a circle. Your program should calculate the Circumference and Area of the circle using the formulae shown below. NOTE: You should decompose this problem into the appropriate **functions** to carry out the task.

$$C = 2 \pi r \qquad A = \pi r^2$$

Deliverables

Place all your Java source files in a folder called **Week10**. Zip the Week10 folder and upload the zip file using the Week10 upload link for your group on MOODLE.

All work must be submitted during your scheduled practical sessions.

<u>Plagiarism</u>

This assessment should be an individual piece of work. Any evidence of plagiarism will result in a grade of zero for all parties involved and will trigger the Universities plagiarism policy 3AS08 (see course coordination page).