**DEPARTMENT OF COMPUTER TECHNOLOGY, MIT CAMPUS, ANNA UNIVERSITY**

**JAVA PROGRAMMING**

**12.08.2024**

**JAVA Laboratory Exercises**

(Editor: Can Use any editor - Notepad++ / Brackets / equivalent)

**Level-1**

Write a Java program to perform the following:

1. To read 3 numbers and find the largest of the three.
2. Given three numbers a, b, and c, find the smallest number
3. Given the values of a, b and c, find the roots of the quadratic equation ax^2 + bx + c.
4. To find if a give number is odd or even.
5. Given the number of a month, give the number of days in the month.
6. Generate the first 100 odd numbers (1, 3, 5, 7, 9, ….) and
7. Generate the first 100 even numbers (0, 2, 4, 6, 8, ….)
8. Get a number between 1 and 12 and print the corresponding month. (1 – January)
9. that inputs from the user the radius of a circle and displays the circle’s

diameter, circumference and area. Display the output in ***table format***

[Hint: Use 3.14159 for π, *diameter = 2r*, *circumference =2*π*r*, *area =* π*r2*].

1. that inputs three integers from the user and displays the sum, average, and product of the numbers

**Level-2**

/\* Functions, arrays, strings, loops, type conversion, objects\*/

1. Write a Java program to read and display a matrix.
2. Write Java program to read two matrices and perform add, sub, mul matrices
3. Write a Java program that uses a simple function to search the word “Web” in the string “Programming the World Wide Web”.
4. Write a Java program to compute your age when you enter the year of birth
5. Write a Java program that reads an integer and display whether it is odd or even, largest of two numbers, squares & cubes of each number. Use user defined functions

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