

**SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING**

**(Autonomous - Affiliated to Anna University)**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**UIT2602 WEB PROGRAMMING LABORATORY**

**Ex 3: Exercises for a Ruby programming.**

**Basic Syntax Practice:**

- Write a program to print "Hello, World!" to the console.
- Practice variable declaration and manipulation.
- Explore different data types such as integers, floats, strings, arrays, and hashes.

**Control Structures:**

- Implement conditional statements (if-else, case) for simple decision making.
- Use loops (while, for) for repetitive tasks.
- Try nested loops and conditional statements for more complex logic.

**Functions and Methods:**

- Define and call functions with parameters.
- Explore default parameter values and variable-length argument lists.
- Experiment with returning values from functions.

**Arrays and Enumerable:**

- Create arrays and manipulate them (add elements, remove elements, access elements).
- Use enumerable methods like map, select, reduce for array manipulation.

**COMPLETE THE FOLLOWING EXERCISES:**

1. Write a Ruby script to create a new string which is n copies of a given string where n is a non-negative integer.
2. Write a Ruby script to accept a filename from the user print the extension of file.
3. Write a Ruby script which accepts the user's first and last name and print them in reverse order with a space between them.
4. Write a Ruby program to retrieve the total marks where subject name and marks of a student stored in a hash.
5. Write a Ruby script to check two temperatures and return true if one is less than 0 and the other is greater than 100.

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