Deccan Education Society's
Fergusson College (Autonomous), Pune
Department of Mathematics
M.Sc. (IMCA)
Second Year – Semester V
MTS621 Core Java
Assignment 5
Multidimensional Arrays and

1. Write a static method for accepting and displaying three-dimensional array from user.
2. Accept the following information of sports person using multi-dimensional array:
    a. Total number of sports people
    b. Personid (integer)
    c. Weight (integer)
    d. Height (integer)

    Generate average height and weight of sports people.
    Multi-dimensional array should be initialized as follows –
                    [personID][Weight][Height]
3. Perform following operations of matrix:
    a. Addition
    b. Multiplication
    c. Subtraction
    d. Transpose

Validate the program with required conditions of number of rows and columns.
Write an individual method for accepting, displaying and computing the values.
4. Accept multidimensional character array which stores the following:
    a. Pan Card Number
    b. Name (first name and last name)
    c. Dob
Perform the following:
    a) Display the details
    b) Search person details by Pan card number.
5. Write public, private, protected methods with variables with similar access specifiers and explore the visibility in same and outside the packages.