

**Deccan Education Society's**  
**Fergusson College (Autonomous), Pune**  
**Department of Mathematics**  
**M.Sc. (IMCA) (2024-2025)**  
**Second Year – Semester III**  
**MTS-621 Practical Lab VI (Core Java)**  
**Java Assignment – 5**  
**String, StringBuilder and StringBuffer**

***Question 1:***

1. Accept the array of strings and write a method to list all the strings containing 'ing'.
2. Accept first and last name form user and generate new string.  
Example – First Name – “Amrit” , Last Name – “J.”  
New String – “Amtrit J.”
3. Accept details of the following people:
  - a. Name
  - b. Contact Number
  - c. PAN Card No.
  - d. AgeWrite a method to find all the details of a person whose Pan card number contains 'ADL'
4. Accept two strings find and perform the following:
  - a. Check if two strings are same or not? (Use equals())
  - b. If strings are not same then find what is the difference between them.
  - c. If difference is +ve then print –“First String is greater !”  
Otherwise “Second is greater!”.  
(Use both – compareTo() and CompareIgnoreCase())
5. Accept the paragraph form the user check if it has “Cyber Scam 2024 “ and replace it with “Fake QR Code scam”. (Ignoring the case of 'Cyber Scam 2024').

***Explore following String Methods –***

1. length()
2. charAt()
3. indexOf()
4. concat()
5. startsWith()
6. endsWith()
7. toUpper()
8. toLower()
9. contains()
10. replace()
11. equals and equalsIgnoreCase()
12. substring()
13. compareTo() and compareToIgnoreCase()