BITS PILANI, DUBAI CAMPUS

DUBAI INTERNATIONAL ACADEMIC CITY, DUBAI

**FIRST SEMESTER 2024 – 2025**

**COURSE:** F213 (Object Oriented Programming)

**COMPONENT:** Practical Sheet 9 **DATE:** 30th October 2024

**Q. 1**. Write a JAVA Program to construct an Employee id (as a single String) from the following details read from the user. Also print the employee email id.

1. Year of joining,
2. Discipline (CHEM-A1, EEE-A3, MECH-A4, CS-A7)
3. Staff (S)/ Faculty (F)
4. Campus (Pilani P, Hyderabad H, Goa G, Dubai U).
5. The 3-digit no can a non-zero random no. generated using the class Random

**Input:** Year = 2024 Discipline = CS S/F = S Campus = Dubai (can be 1 of Pilani, Hyderabad, Goa, or Dubai)

**Output:** 2024A7S001U[f2024001@dubai.bits-pilani.ac.in](mailto:f2024001@dubai.bits-pilani.ac.in)

**Input:** Year = 2024 Discipline = MECH S/F = F Campus = Pilani ( can be 1 of Pilani, Hyderabad, Goa, or Dubai)

**Output:** 2024AAF001P [f2024001@pilani.bits-pilani.ac.in](mailto:f2024001@pilani.bits-pilani.ac.in)

* 1. Write a program to read a line of msg chat, tokenizes the line and only displays the tokens which start with the letter “a” or “h”.
  2. Write a program to read a phone number as a string. It must then display the country code, and identify if the number is a landline number of which emirates in UAE. Hint:

00971 (Code for UAE) + 4 = Dubai

00971 (Code for UAE) + 2 = Abu Dhabi

00971 (Code for UAE) + 3 = Al Ain

00971 (Code for UAE) + 6 = Sharjah

e.g. if the phone number is 009714582727 – 00971 UAE Code 4- Dubai

009716762930 – 00971 UAE code 6 – Sharjah

**Q. 4.** Write a program to print the maximum occurring character in a user input String.

**END**