

Case Study 2_ GROUP 14

Group Members

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START

STRING NIC_num, gender

INTEGER birth_year, age

INPUT("Enter your NIC number", NIC_num)

WHILE (LEN(NIC_num) != 10) AND (LEN(NIC_num) != 12) DO:

    INPUT("Enter your NIC number", NIC_num)

ENDWHILE

WHILE (LEN(NIC_num) ==10) OR (LEN(NIC_num) ==12) DO:

    IF (LEN(NIC_num) == 10 THEN:

        birth_year = INT(NIC_num[0,2]) + 1900

        IF INT(NIC_num[2,4]) > 500 THEN:

            gender = "Female"

        ELSE IF INT(NIC_num[2,4]) < 500 THEN:

            gender = "Male"

        ENDIF

        IF NIC_num == "Y" THEN:

            voting = "Able to vote"

        ELSE IF NIC_num == "X" THEN:

            voting = "Not able to vote"

        ENDIF

    ELSE IF (LEN(NIC_num) ==12):

        birth_yr = NIC_num[0:4]

        IF INT(NIC_num[4:6]) > 500:

            gender = "Female"

        ELSE:

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        gender = "Male"

    ENDIF

    AGE = 2022 - INT(birth_yr)

    IF AGE >= 18:

        vOTING = "Able to vote"

    ELSE:

        voting = "Not able to vote"

    PRINT (NIC_num ,birth_yr, gender, voting)

    END.
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