CASE

Syntax :

    CASE   expression OF
            Condition -1 :
                    Sequence -1
            Condition - 2 :
                    Sequence -2
                    ⋮
            Condition -n :
                    Sequence - n
            OTHERS :
                    default
        END CASE

ITERATION / LOOPING :

1) WHILE — END WHILE
2) DO - WHILE   (or) REPEAT — UNTIL
3) FOR - END FOR.

1) WHILE — END WHILE

Syn :   WHILE   condition :
                    Statements
            END WHILE

P1.   Eg : Write a pseudo code to print the nos
            from 1 to 100.

    • START
    • ASSIGN i = 1

                                            odd = i + 2
                                            even = Assign i = 0
                                                    i + 2

```
WHILE i < = 100
        PRINT i
        INCREMENT i by 1
END WHILE
STOP
```

P2.   Sum of n series $s = 1 + 2 + 3 + \ldots + n$

```
START
ASSIGN i = 1, s = 0
WHILE i < = 100
        s = s + i
        INCREMENT i by 1
END WHILE
PRINT 's'
STOP
```

2) DO - WHILE

Syntax :

a)   DO
            statements
    WHILE Condition
    END DO

b) REPEAT - UNTIL

Syntax :

        REPEAT
            Statements
        UNTIL Condition

fg:

P3.

```
START
ASSIGN  i = 1
DO:
    PRINT  i
    INCREMENT  i  by 1
WHILE  i < = 1000:
END WHILE DO
STOP
```

```
START
ASSIGN i = 1
DO
    PRINT 1
    DEREMENT i by 1
WHILE i > = 1
END DO
STOP
```