Lexeme Classes:

Considering the following syntax:

•L = [A-Za-z] (Letters)

•D= [0-9] (Digits)

•U= \_ (Underscore –for VIDs)

•P= . (Period–for float numbers)

•I= %(at the beginning and the end) (IVID delimitator)

•F= &(at the beginning and the end) (FVID delimitator)

•S= @ (at the beginning and the end) (SVID delimitator)

•Q= “ (SL delimitator)

•E= EOFS (End of file symbol)

•O= [^LDPUIFSQE] (Other chars)

Here is the RE description of some tokens in IVA

Answer:

•IVID = I(L|D|U)\*

•FVID = F(L|D|U)\*

•SVID = S(L|D|U)\*

•IL = D+

•FL = D+PD+

•SL = Q[^EQ]\*Q

PART 2: TD–Transition DiagramChart, bubble chart

Description automatically generated

Text

Description automatically generated

PART 3: TT–Transition Table

Table, calendar

Description automatically generated