Test Case for Project1

1. **Integer constant (10%)**

   Input:

   2 301 052720411 621301 2021 314159265

   Output:

   (token 2 301 052720411 621301 2021 314159265)

2. **Identifier(10%)**

   Input:

   A a _Bcb _bfD Ccu C56ef _2330 CSiCe_0975 787_adder

   Output:

   (token A a _Bcb _bfD Ccu C56ef _2330 CSiCe_0975 787 _adder)

3. **Keyword(15%)**

   Input:

   And Or Program EndIf If Exit Set Read Var While Write Not Then Begin Do

   Output:

   (token And Or Program EndIf If Exit Set Read Var While Write Not Then Begin Do)

4. **Operator(13%)**

   Input:

   +-/*%=<>>>=<<=()==

   Output:

   (token + - / * % = <> > >= < <= ( ) ==)

5. **Blanks Tabs Newlines(12%)**

   Input:

   \n \t   //use blank tab and enter to test

   Output:

   Token

6. **Comment(15%)**

Input:

//I think here is "skip"

Output:

Token

7. **(25%)**

Input:

```
//A program to sum 1 to n
Program sum Begin
      Var n
      Var s


      Read n
      If n < 0 Then
            Write -1
            Exit
      Else
            Set s = 0
      EndIf
      While n > 0 Do
            Set s = s + n
            Set n = n – 1
      EndWhile
      Write s
End
```

Output:

(token Program sum Begin Var n Var s Read n If n < 0 Then Write – 1 Exit Else Set s = 0 EndIf While n > 0 Do Set s = s + n Set n = n – 1 EndWhile Write s End)