Task 1

1.)CLEAR your workspace

2. Give your workspace a)WSID

3.)SAVE your workspace

4. Turn Dyalog)OFF

5. Start Dyalog and)LOAD your workspace

Task 2

Define a function Mean to return the mean average of its argument

```
      Mean 3 1 4 1 5 9 2 6
3.875
      Mean 4 1 2 5
3
      Mean 6+ι10
11.5
```

Task 3

Define a function ID to return an ω by ω identity matrix

```
      ID 3
1 0 0
0 1 0
0 0 1
      ID 5
1 0 0 0 0
0 1 0 0 0
0 0 1 0 0
0 0 0 1 0
0 0 0 0 1
```

Task 4

Define a function TimesRows to multiply a matrix and a vector. For example,

```
      mat ← 4 3ρ6 9 9 10 9 1 3 5 3 6 7 3
      vec ← 1 0 ¯1

      mat TimesRows vec
 6 0 ¯9
10 0 ¯1
 3 0 ¯3
 6 0 ¯3
```

Task 5

Define a function `NoSpace` to remove spaces:

```
        NoSpace 'here is some text'
hereissometext
```

Task 6

Define a function RemoveFrom to remove any character:

```
    'l' RemoveFrom 'hello world'
heo word


    'o' RemoveFrom 'hello world'
hell wrld
```

Task 7

Save your workspace somewhere in your Documents folder

Submit **your_name.dws** via Zoom chat