Example Output of the Program :

```
        Morse Code      Character
        01               A
        1000             B
        1010             C
        100              D
        0                E
        0010             F
        110              G
        0000             H
        00               I
        0111             J
        101              K
        0100             L
        11               M
        10               N
        111              O
        0110             P
        1101             Q
        010              R
        000              S
        1                T
        001              U
        0001             V
        011              W
        1001             X
        1011             Y
        1100             Z
        11111            0
        01111            1
        00111            2
        00011            3
        00001            4
        00000            5
        10000            6
        11000            7
        11100            8
        11110            9
NOTES:
1.Enter minimum one character for Morse Code.
2.After every morse code press * before entering new morse code in the sequence.
3.Please do not enter any values other then sequences of 0,1 and * else program will end.
4.Multiple * between two Morse codes will be treated as single *.
5. After entering a sequence press enter, a prompt will be generated which will ask if you want to enter
another sequence or not.If you wish to enter then please press y. Press n to end the program.
6.y and n should b small letters. Program is case sensitive.
Enter Morse Code : 01*100*01*01*11000*111
Do you want to enter another sequence ?(y/n) :
y
Enter Morse Code : 000*01*11000*1*1*010
Do you want to enter another sequence ?(y/n) :
y
Enter Morse Code : 1001*1111111*011*****1
Do you want to enter another sequence ?(y/n) :
y
Enter Morse Code : a
value should be either 1,0,*
['01', '100', '01', '01', '11000', '111']
ADAA7O
['000', '01', '11000', '1', '1', '010']
SA7TTR
1111111 not in morse dictionary.
['1001', '1111111', '011', '1']
XWT
Final Morse sequence is :
['ADAA7O', 'SA7TTR', 'XWT']
```

```
ADAA7O

Number of occurence for each character :

A:3
D:1
O:1
7:1

SA7TTR

Number of occurence for each character :

A:1
R:1
S:1
T:2
7:1

XWT

Number of occurence for each character :

T:1
W:1
X:1

Total number of occurrence for each character :

A:4
D:1
O:1
R:1
S:1
T:3
W:1
X:1
7:2
```