TOC

Practical no 1

Q1) #write a program for tokenization of given input in python.

```
my_text=input("Enter a string for tokenization:")

my_token=my_text.split()


print("Tokenization of given input:")

print(my_token)
```

o/p:-

```
Enter a string for tokenization:Good Morning
Tokenization of given input:
['Good', 'Morning']
```

Q2)

#Write a program for tokenization of given input in python using module

```
import tokenize


with tokenize.open("PRACT NO A.py")as f:

   tokens=tokenize.generate_tokens(f.readline)

   for token in tokens:

      print(token)
```

o/p:-

```
= RESTART: C:/Users/Admin/Desktop/SHRUSHTI/PRACTICAL NO  1/PRACT NO B.py
TokenInfo(type=61 (COMMENT), string='#write a program for tokenization of given input in python.', start=(1,
0), end=(1, 59), line='#write a program for tokenization of given input in python.\n')
TokenInfo(type=62 (NL), string='\n', start=(1, 59), end=(1, 60), line='#write a program for tokenization of
given input in python.\n')
TokenInfo(type=62 (NL), string='\n', start=(2, 0), end=(2, 1), line='\n')
TokenInfo(type=1 (NAME), string='my_text', start=(3, 0), end=(3, 7), line='my_text=input("Enter a string for
tokenization:")\n')
TokenInfo(type=54 (OP), string='=', start=(3, 7), end=(3, 8), line='my_text=input("Enter a string for tokeni
zation:")\n')
TokenInfo(type=1 (NAME), string='input', start=(3, 8), end=(3, 13), line='my_text=input("Enter a string for
tokenization:")\n')
TokenInfo(type=54 (OP), string='(', start=(3, 13), end=(3, 14), line='my_text=input("Enter a string for toke
nization:")\n')
TokenInfo(type=3 (STRING), string='"Enter a string for tokenization:"', start=(3, 14), end=(3, 48), line='my
_text=input("Enter a string for tokenization:")\n')
TokenInfo(type=54 (OP), string=')', start=(3, 48), end=(3, 49), line='my_text=input("Enter a string for toke
nization:")\n')
TokenInfo(type=4 (NEWLINE), string='\n', start=(3, 49), end=(3, 50), line='my_text=input("Enter a string for
tokenization:")\n')
TokenInfo(type=1 (NAME), string='my_token', start=(4, 0), end=(4, 8), line='my_token=my_text.split($)\n')
TokenInfo(type=54 (OP), string='=', start=(4, 8), end=(4, 9), line='my_token=my_text.split($)\n')
TokenInfo(type=1 (NAME), string='my_text', start=(4, 9), end=(4, 16), line='my_token=my_text.split($)\n')
TokenInfo(type=54 (OP), string='.', start=(4, 16), end=(4, 17), line='my_token=my_text.split($)\n')
TokenInfo(type=1 (NAME), string='split', start=(4, 17), end=(4, 22), line='my_token=my_text.split($)\n')
TokenInfo(type=54 (OP), string='(', start=(4, 22), end=(4, 23), line='my_token=my_text.split($)\n')
```

Q3)

#Write a progrsm for tokenization of given input in python.

```
import re
```

```
my_text=input("Enter a string for tokenization:")


print("Tokenization of given input:")

pattern = re.compile("\w+")


matches = pattern.finditer(my_text)


for token in matches:

    print(token)
```

o/p:-