```python
#word count
def count_word_frequency(paragraph,target_word):
    words = (paragraph.split())
    word_count = 0
    for word in words:
        words = word.strip('.,!?()[]{}"\'')
        if words.lower() == target_word.lower():
            word_count += 1
    return word_count

paragraph="Good morning!I am Rajendran.M.S from I MCA B. My Register number is 2347248 and I am from the 2023 batch and I have chosen my domain as 'Multi-Media Management'.The main aim of this program is to create a site where most of the prominent apps like Youtube, Netflix, Spotify and many others can be accessed easily from just one place.Even your videos and audios from the device that you have, like a laptop, mobile, it'd be a cloud storage for all those as well."
target_word = input("enter the word that you want to count:")
frequency = count_word_frequency(paragraph, target_word)
print(f"The word '{target_word}' appears {frequency} times in the paragraph.")
#print(words)

#packing and unpacking of tuple
def tuple_operations_example():
#packing
    applications = ("Netflix", "Hulu", "Spotify", "Youtube", "Songs")
    print("Original Tuple:", applications)
#unpacking
    first_app,second_app, third_app, fourth_app, fifth_app = applications
    print("\nUnpacked Variables:")
    print("First Application:", first_app)
    print("Second Application:", second_app)
    print("Third Application:", third_app)
    print("Fourth Application:", fourth_app)
    print("Fifth Application:", fifth_app)

tuple_operations_example()



dmn_name=("m","u","l","t","i","m","e","d","i","a")
count=0
for i in dmn_name:
    count=count+1
print("count of r",count)
```

```
num=["0","1","2","3","4","5","6","7","8","9"]
spld_word=paragraph.split(" ")
for i in spld_word:
        for j in i:
            if j in num:
                if "." in i:
                    print(i," is float")
                    break
                else:
                    print(i,"is int")
                    break
            else:
                print(i," : is string")
                break

def count_characters(paragraph):
    alphabets=0
    numerics = 0
    specials = 0
    for char in paragraph:
        if char.isalpha():
                alphabets += 1
        elif char.isnum():
                numerics += 1
        else:
            specials += 1
    return alphabets, numerics, specials


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Spotify and many others can be accessed easily from just one
place.Even your videos and audios from the device that you have, like
a laptop, mobile, it'd be a cloud storage for all those as well."

alphabets,numerics,specials= count_characters(paragraph)
print(f"Alphabets:{alphabets}")
print(f"Numeric characters:{numerics}")
print(f"Special symbols:{specials}")


#sorting the set
def set_operations_example():
 string_set = { "Spotify", "Your_File", "rajanms123","7348875942"}
 print("Initial Set:", string_set)
 sorted_set = sorted(string_set, reverse=True)
 print("Sorted Set (Descending Order):", sorted_set)
set_operations_example()
```

```
Initial Set: {'7348875942', 'Your_File', 'rajanms123', 'Spotify'}
Sorted Set (Descending Order): ['rajanms123', 'Your_File', 'Spotify',
'7348875942']
```

```
#tuple slicing
def slicing_and_negative_indexing(domain_name):
    print("Original Domain Name:", domain_name)
    print("\nPositive Slicing:")
    print("1. Slicing from index 3 to 9:", domain_name[3:10])
    print("2. Slicing from index 0 to 7:", domain_name[:8])
    print("3. Slicing from index 5 to the end:", domain_name[5:])
    print("4. Slicing from index 2 to 11 with step 2:",
domain_name[2:12:2])
    print("\nNegative Slicing:")
    print("1. Slicing from the end -8 to the end -3:", domain_name[-
8:-2])
    print("2. Slicing from the end -11 to the end -1 with step 2:", )

domain_name=("Multimedia Management")
domain_name[-11:-1:2]
print("\nNegative Indexing:")
print("Last character:", domain_name[-1])
print("Second to last character:", domain_name[-2])

slicing_and_negative_indexing(domain_name)
```

```
set1={'rajanms123,'
      'hours,'
      '7348875942,'
      ''}

print(set1)
set1.pop()
```

```
{'rajanms123,hours,7348875942,'}

'rajanms123,hours,7348875942,'
```

```
set2={'rajanms123,','hours,','7348875942,',''}
print(set2)
set2.clear()

set3={'rajanms123','hours','7348875942,',''}

set3.discard('rajanms123')
print(set3)
```

```
{'hours', '', '7348875942,'}
```