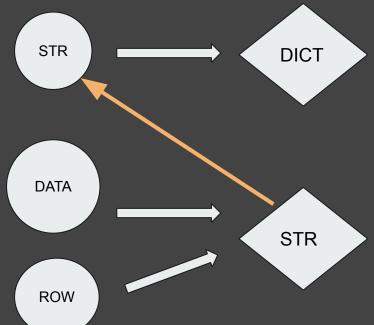
BIG Data Presentation

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Subtask

```
Counts and returns the characters dict inside a string.
   :param string text: just a string
   :return: a dict with key as character, and value as count
  Count the characters inside the string. return dict with
following format :
   {character: number of times it appears}
   :param data: nx2, where col1 = row number, col2 = text
   :param row number: the row number for the task
   :return: str
```





Parallel Computing

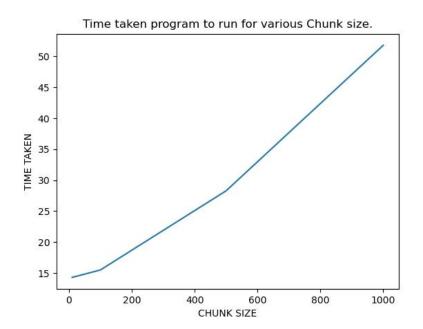
```
# Number of maximum cpu_core available
cpus = mp.cpu_count()

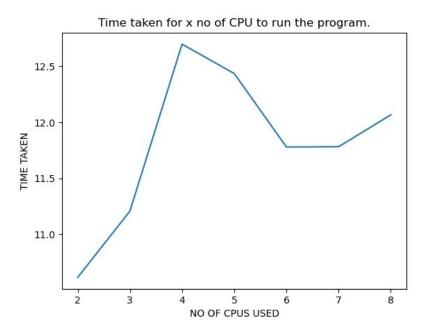
# Init Pool of `multiprocessing` library
pool = mp.Pool(cpus)

# Parallelising using Pool.apply()
results = [pool.apply(character_count, args=(chunks, row)) for
row in row_number]
```

Parallel Computing based on chunks, and unique rows.

Complexity plots





Results

Unique Characters:

There are 66 unique characters in the `abstract` column of the dataset.

Top 10 Characters.

.,	n
е	0
t	S
i	r
а	d

Thank you.

