Experiment No 10

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Aim Mini Project: YouTube Video Transcript Summarization

Code:

```
!pip install -q transformers
!pip install --upgrade youtube-transcript-api
!pip install -q youtube_transcript_api
!pip install IPython
```

```
from transformers import pipeline
from youtube_transcript_api import YouTubeTranscriptApi
```

```
yt_video = "https://youtu.be/Jll5baCAaQU?si=io5XEnCrYWGyeJp3"
video_id = yt_video.split("=")[1] video_id
```

```
from IPython.display import YouTubeVideo
YouTubeVideo(video_id)
```

```
yt_video = "https://youtu.be/Jll5baCAaQU?si=io5XEnCrYWGyeJp3"
# Corrected code to extract video ID video_id
= yt_video.split("/")[-1]

# Check if video ID is correct print(f"Extracted
video ID: {video_id}")
```

```python
# Check if transcripts are available try:
    transcript = YouTubeTranscriptApi.get_transcript(video_id)
print("Transcript retrieved successfully.") except
TranscriptsDisabled:
    print("Transcripts are disabled for this video.")

# Print the transcript (if available)
if transcript:     for t in
transcript:
        print(f"{t['start']} {t['text']}")
```

```python
transcript[0:5]
```

```python
result = "" for i in transcript:    result += ' '
+ i['text']
print(len(result))
```

```python
summarizer = pipeline('summarization')
```

```python
num_iters = int(len(result)/1000)
summarized_text = [] for i in
range(0, num_iters +1):
  start = 0    start = i * 1000    end
= (i + 1) * 1000    out =
summarizer(result[start:end])    out =
out[0]
  out = out['summary_text']
summarized_text.append(out) print(summarized_text)
```

```python
str(summarized_text)
len(str(summarized_text))
```

```python
! pip install streamlit -q
```

```python
%%writefile app.py
import streamlit as st
from transformers import pipeline
from youtube_transcript_api import YouTubeTranscriptApi

# Function to get video ID from YouTube URL
def get_video_id(yt_url):
    return yt_url.split("/")[-1].split("?")[0]
```

```python
# Function to get YouTube transcript
def get_transcript(video_id):
    try:
        transcript = YouTubeTranscriptApi.get_transcript(video_id)
        return transcript
    except:
        return None


# Streamlit UI
st.title("YouTube Transcript Summarizer")

# Input field for YouTube URL
yt_video_url = st.text_input("Enter YouTube Video URL:", "")

# Check if URL is provided
if yt_video_url:
    video_id = get_video_id(yt_video_url)

    # Check if transcripts are available
    transcript = get_transcript(video_id)
    if transcript:
        st.write("Transcript retrieved successfully.")

        # Display original transcript
        st.subheader("Original Transcript:")
        for t in transcript:
            st.write(f"{t['start']} - {t['text']}")

        # Concatenate transcript text
        transcript_text = " ".join([t['text'] for t in transcript])

        # Summarize the transcript
        summarizer = pipeline('summarization')
        num_iters = int(len(transcript_text)/1000)
        summarized_text = []
        for i in range(0, num_iters + 1):
            start = i * 1000
            end = (i + 1) * 1000
            out = summarizer(transcript_text[start:end])
            out = out[0]
            out = out['summary_text']
            summarized_text.append(out)

        # Print summarized text
        st.subheader("Summarized Transcript:")
        for text in summarized_text:
            st.write(text)
```
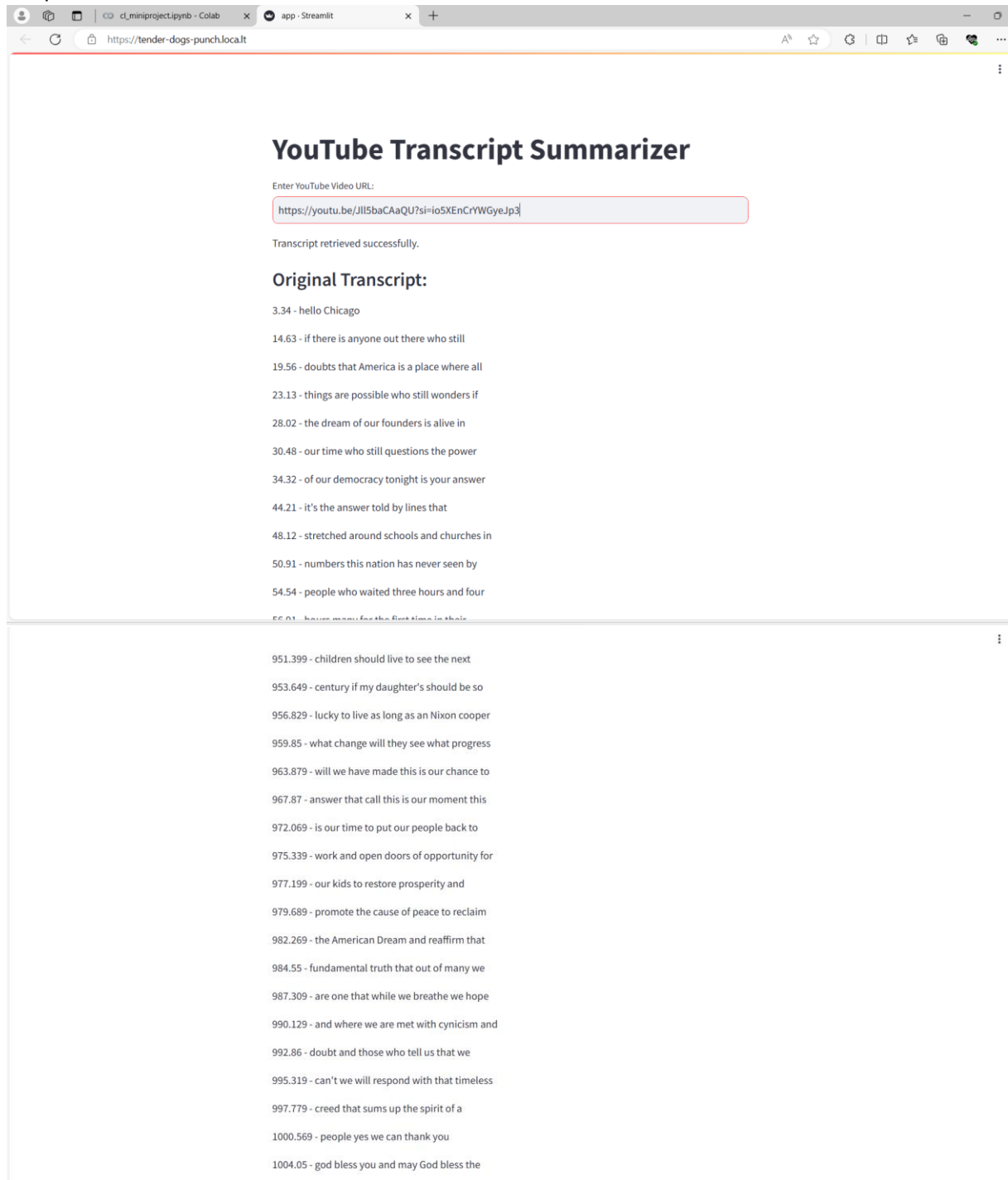
```python
        # Display length of summarized text
        st.subheader("Length of Summarized Text:")
        st.write(sum(len(text) for text in summarized_text))

    else:
        st.write("Transcripts are disabled for this video or the video
ID is incorrect.")
```

```
!wget -q -O - ipv4.icanhazip.com
```

```
! streamlit run app.py & npx localtunnel --port 8501
```

Output screen shot

YouTube Transcript Summarizer

Enter YouTube Video URL:

https://youtu.be/JIl5baCAaQU?si=io5XEnCrYWGyeJp3

Transcript retrieved successfully.

Original Transcript:

3.34 - hello Chicago

14.63 - if there is anyone out there who still

19.56 - doubts that America is a place where all

23.13 - things are possible who still wonders if

28.02 - the dream of our founders is alive in

30.48 - our time who still questions the power

34.32 - of our democracy tonight is your answer

44.21 - it's the answer told by lines that

48.12 - stretched around schools and churches in

50.91 - numbers this nation has never seen by

54.54 - people who waited three hours and four

56.01 - hours many for the first time in their

951.399 - children should live to see the next

953.649 - century if my daughter's should be so

956.829 - lucky to live as long as an Nixon cooper

959.85 - what change will they see what progress

963.879 - will we have made this is our chance to

967.87 - answer that call this is our moment this

972.069 - is our time to put our people back to

975.339 - work and open doors of opportunity for

977.199 - our kids to restore prosperity and

979.689 - promote the cause of peace to reclaim

982.269 - the American Dream and reaffirm that

984.55 - fundamental truth that out of many we

987.309 - are one that while we breathe we hope

990.129 - and where we are met with cynicism and

992.86 - doubt and those who tell us that we

995.319 - can't we will respond with that timeless

997.779 - creed that sums up the spirit of a

1000.569 - people yes we can thank you

1004.05 - god bless you and may God bless the

Summarized Transcript:

Lines stretched around schools and churches in numbers this nation has never seen by people who waited three hours and four hours many for the first time in their lives because they believed that this time must be different that their voices could be that difference . It's the answer that led those who've been told for so long by so many to be cynical and fea .

McCain fought long and hard in this campaign and he's fought even longer and harder for the country that he loves he has endured sacrifices for America that most of us cannot begin to imagine we are better off for the service rendered by this brave and selfless leader I congratulate him I congratulate Governor Palin for all the David Rives .

Vice president-elect Joe Biden thanks to his best friend for the last 16 years Joe Biden . Joe Biden says he would not be standing here tonight without the unyielding support of my best friend . He says his debt to them is beyond measure to his sister Maya, Alma, Maya and Alma .

I was never the likeliest candidate for this office we didn't start with much money or many endorsements our campaign was not hatched in the halls of Washington it began in the backyards of Des Moines and the living rooms of Concord and the front porches of Charleston . It drew strength from the young people who rejected the myth of their generations apathy who left their homes and their families for jobs that offered little pay and less sleep .

Even as we celebrate tonight we know the challenges that tomorrow will bring are the greatest of our lifetime . We know there are brave Americans waking up in the deserts of Iraq and the mountains of Afghanistan to risk their lives for us . There are mothers and fathers who will lie awake after their children fall asleep wondering how they'll make the mortgage or pay their doctor's bills .

The road ahead will be long, the climb will be steep but America I have never been more hopeful than I am tonight that we will get there I promise you we as a people will get it . The only way it's been done in America for 221 years is block by block brick by brick block by brick brick by . es to repair the road ahead .

Let us summon a new spirit of patriotism of responsibility where each of us resolves to pitch in and work harder and look after not only ourselves but each other . If this financial crisis taught us anything it's that

Let us summon a new spirit of patriotism of responsibility where each of us resolves to pitch in and work harder and look after not only ourselves but each other . If this financial crisis taught us anything it's that we cannot have a thriving Wall Street while Main Street suffers in this country we rise or fall as one nation as one people .

"I may not have won your vote tonight but I hear your voices I need your help and I will be your president too" "We are not enemies but friends though passion may have strained it must not break our bonds of affection" "A new dawn of American leadership is at hand," says Obama .

Nixon Cooper is 106 years old and was born just a generation past slavery . She was born in a time when there were no cars on the road or planes in the sky when someone like her couldn't vote for two reasons because she was a woman and because of the color of her skin .

A hundred and six years in America through the best of times and the darkest of hours she knows how America can change . She was there to witness a generation rise to greatness and a democracy was saved yes we can she was there for the buses in Montgomery the hoses in Birmingham a bridge in Selma and a preacher from Atlanta who told the people that we shall overcome .

This is our chance to answer that call this is our time to put our people back to work and open doors of opportunity for our kids to restore prosperity and promote the cause of peace to reclaim the American Dream . We will respond with that timeless creed that sums up the spirit of a people yes we can thank you god bless you and may God bless the United States of America you .

Length of Summarized Text:

3799

```
[ ] !pip install -q transformers
```

```
[ ] !pip install --upgrade youtube-transcript-api
```

```
Requirement already satisfied: youtube-transcript-api in /usr/local/lib/python3.10/dist-packages (0.6.2)
Requirement already satisfied: requests in /usr/local/lib/python3.10/dist-packages (from youtube-transcript-api) (2.31.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests->youtube-transcript-api) (3.3.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests->youtube-transcript-api) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests->youtube-transcript-api) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests->youtube-transcript-api) (2024.2.2)
```

```
[ ] !pip install -q youtube_transcript_api
```

```
[ ] !pip install IPython
```

```
Requirement already satisfied: IPython in /usr/local/lib/python3.10/dist-packages (7.34.0)
Requirement already satisfied: setuptools>=18.5 in /usr/local/lib/python3.10/dist-packages (from IPython) (67.7.2)
Collecting jedi>=0.16 (from IPython)
  Downloading jedi-0.19.1-py2.py3-none-any.whl (1.6 MB)
━━━━━━━━━━━━━━━━━━━━━━━━━━ 1.6/1.6 MB 15.7 MB/s eta 0:00:00
Requirement already satisfied: decorator in /usr/local/lib/python3.10/dist-packages (from IPython) (4.4.2)
Requirement already satisfied: pickleshare in /usr/local/lib/python3.10/dist-packages (from IPython) (0.7.5)
Requirement already satisfied: traitlets>=4.2 in /usr/local/lib/python3.10/dist-packages (from IPython) (5.7.1)
Requirement already satisfied: prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0 in /usr/local/lib/python3.10/dist-packages (from IPython) (3.0.43)
Requirement already satisfied: pygments in /usr/local/lib/python3.10/dist-packages (from IPython) (2.16.1)
Requirement already satisfied: backcall in /usr/local/lib/python3.10/dist-packages (from IPython) (0.2.0)
Requirement already satisfied: matplotlib-inline in /usr/local/lib/python3.10/dist-packages (from IPython) (0.1.7)
Requirement already satisfied: pexpect>4.3 in /usr/local/lib/python3.10/dist-packages (from IPython) (4.9.0)
Requirement already satisfied: parso<0.9.0,>=0.8.3 in /usr/local/lib/python3.10/dist-packages (from jedi>=0.16->IPython) (0.8.4)
Requirement already satisfied: ptyprocess>=0.5 in /usr/local/lib/python3.10/dist-packages (from pexpect>4.3->IPython) (0.7.0)
Requirement already satisfied: wcwidth in /usr/local/lib/python3.10/dist-packages (from prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0->IPython) (0.2.13)
Installing collected packages: jedi
Successfully installed jedi-0.19.1
```

```
[ ] video_id
```

```
'io5XEnCrYWGyeJp3'
```

```
[ ] from IPython.display import YouTubeVideo
    YouTubeVideo(video_id)
```
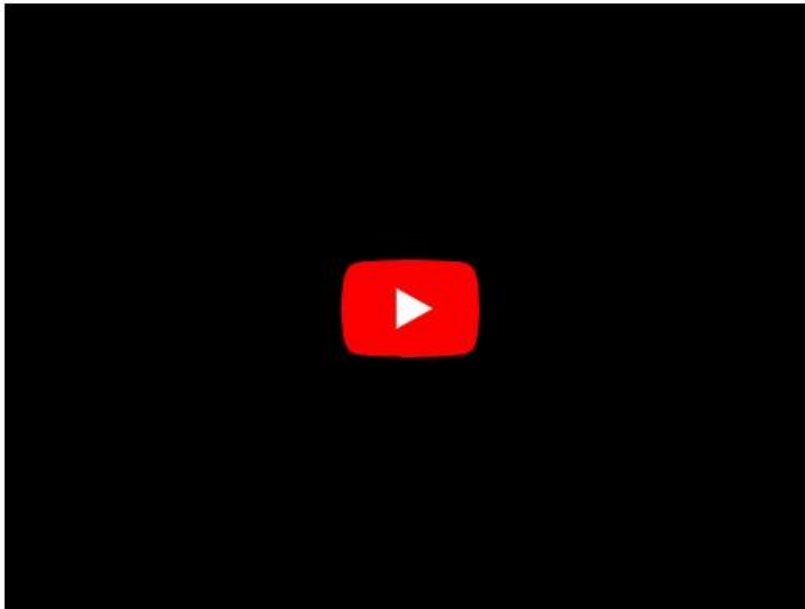


```
Extracted video ID: Jll5baCAaQU?si=io5XEnCrYWGyeJp3
Transcript retrieved successfully.
3.34 hello Chicago
14.63 if there is anyone out there who still
19.56 doubts that America is a place where all
23.13 things are possible who still wonders if
```

28.02 the dream of our founders is alive in
30.48 our time who still questions the power
34.32 of our democracy tonight is your answer
44.21 it's the answer told by lines that
48.12 stretched around schools and churches in
50.91 numbers this nation has never seen by
54.54 people who waited three hours and four
56.91 hours many for the first time in their
60.0 lives because they believed that this
63.059 time must be different that their voices
66.63 could be that difference it's the answer
71.009 spoken by young and old rich and poor
74.869 Democrat and Republican black white
78.95 Hispanic Asian Native American gay
81.99 straight disabled and not disabled
85.88 Americans who sent a message to the
88.11 world that we have never been just a
91.17 collection of individuals or a
93.09 collection of red states and blue states
95.49 we are and always will be the United
98.939 States of America
109.259 it's the answer that led those who've
114.759 been told for so long by so many to be
117.969 cynical and fearful and doubtful about
121.24 what we can achieve to put their hands
124.569 on the arc of history and bend it once
127.509 more toward the hope of a better day
130.739 it's been a long time coming
133.17 but tonight because of what we did on
137.08 this day in this election at this
140.38 defining moment change has come to
143.17 America a little bit earlier this
154.0 evening I received an extraordinarily
157.39 gracious call from Senator McCain
164.04 Senator McCain fought long and hard in
167.019 this campaign and he's fought even
170.739 longer and harder for the country that
173.47 he loves he has endured sacrifices for
177.609 America that most of us cannot begin to
180.91 imagine we are better off for the
184.6 service rendered by this brave and
187.51 selfless leader I congratulate him I
191.579 congratulate Governor Palin for all the
195.01 David Rives and I look forward to
197.889 working with them to renew this nation's
201.31 promise in the months ahead
206.94 I want to thank my partner in this
213.18 journey
213.81 a man who campaigned from his heart and
216.98 spoke for the men and women he grew up
219.33 with on the streets of Scranton and
221.27 rolled with on the train home to
223.86 Delaware the Vice president-elect of the
226.56 United States Joe Biden and I would not
238.89 be standing here tonight without the

241.65 unyielding support of my best friend for
245.94 the last 16 years the rock of our family
249.68 the love of my life the nation's next
253.95 first lady Michelle Obama
265.08 Sasha and Malia I love you both more
271.33 than you can imagine
272.639 and you have earned the new puppy that's
275.949 coming with us to the White House and
285.49 while she's no longer with us I know my
288.94 grandmother's watching along with the
291.97 family that made me who I am I miss them
295.539 tonight I know that my debt to them is
299.68 beyond measure to my sister Maya
303.43 my sister Alma all my other brothers and
306.28 sisters thank you so much for all the
308.5 support that you've given me I'm
310.389 grateful to them to my campaign manager
317.979 David Plouffe
325.87 the unsung hero of this campaign who
329.84 built the best the best political
333.32 campaign I think in the history of the
335.84 United States of America - my chief
342.92 strategist David Axelrod who's been a
349.15 partner with me every step of the way to
352.22 the best campaign team ever assembled in
355.94 the history of politics you made this 358.25
happen and I am forever grateful for
361.09 what you've sacrificed to get it done
367.63 but above all I will never forget who
371.69 this victory truly belongs to it belongs
375.53 to you
377.35 it belongs to you I was never the
382.85 likeliest candidate for this office we
386.96 didn't start with much money or many
389.45 endorsements our campaign was not
391.85 hatched in the halls of Washington it
395.3 began in the backyards of Des Moines in
397.85 the living rooms of Concord and the
399.89 front porches of Charleston it was built
403.43 by working men and women who dug into
405.8 what little savings they had to give
407.57 five dollars ten dollars and twenty
409.64 dollars to the cause
411.76 it grew strength from the young people
414.56 who rejected the myth of their
416.12 generations apathy who left their homes
419.36 and their families for jobs that offered
422.15 little pay and less sleep it drew
425.45 strength from the not-so young people
427.43 who braved the bitter cold and scorching
430.04 heat to knock on doors of perfect
431.96 strangers and from the millions of
434.12 Americans who volunteered and organized
436.22 and proved that more than two centuries
438.65 later a government of the people by the

441.47 people and for the people has not
443.96 perished from the earth this is your
446.18 victory
453.38 now I know you didn't do this just to
456.81 win an election I know you didn't do it
460.2 for me you did it because you understand
463.23 the enormity of the task that lies ahead
465.42 for even as we celebrate tonight we know
469.77 the challenges that tomorrow will bring
471.75 are the greatest of our lifetime two
475.47 wars a planet in peril the worst
478.8 financial crisis in a century even as we
482.94 stand here tonight we know there are
484.65 brave Americans waking up in the deserts
487.2 of Iraq and the mountains of Afghanistan
489.72 to risk their lives for us there are
493.17 mothers and fathers who will lie awake
494.79 after their children fall asleep and
496.77 wonder how they'll make the mortgage or
498.9 pay their doctor's bills or save enough
501.36 for their child's college education
504.05 there's new energy to harness new jobs
507.78 to be created new schools to build and
510.18 threats to meet alliances to repair the
514.59 road ahead will be long our climb will
518.729 be steep we may not get there in one
521.94 year or even in one term but America I
525.18 have never been more hopeful than I am
527.73 tonight that we will get there I promise
530.58 you we as a people will get there
547.59 there will be setbacks and false starts
552.35 there are many who won't agree with
554.55 every decision or policy I make as
556.23 president and we know the government
558.21 can't solve every problem but I will
561.93 always be honest with you about the
563.61 challenges we face I will listen to you
566.46 especially when we disagree and above
570.66 all I will ask you to join in the work
572.97 of remaking this nation the only way
575.37 it's been done in America for 221 years
578.0 block by block brick by brick calloused
582.0 hand by calloused hand what began 21
585.72 months ago in the depths of winter
588.44 cannot end on this autumn night this
592.44 victory alone is not the change we seek
594.48 it is only the chance for us to make
597.06 that change and that cannot happen if we
600.15 go back to the way things were
601.95 it can't happen without you without a
604.68 new spirit of service a new spirit of
607.89 sacrifice so let us summon a new spirit
612.78 of patriotism of responsibility where
617.1 each of us resolves to pitch in and work

619.74 harder and look after not only ourselves
622.02 but each other let us remember that if
625.17 this financial crisis taught us anything
626.88 it's that we cannot have a thriving Wall
629.37 Street while Main Street suffers in this
633.21 country we rise or fall as one nation as
635.79 one people
638.18 let's resist the temptation to fall back
640.98 on the same partisanship and pettiness 643.2
and immaturity that has poisoned our
645.93 politics for so long let's remember that
649.29 it was a man from this state who Fair's
651.72 carry the banner of the Republican Party
653.85 of the white house a party founded on
656.28 the values of self-reliance and
657.9 individual liberty and national unity
660.53 those are values that we all share and
663.51 while the Democratic Party has won a
665.52 great victory tonight we do so with a
667.709 measure of humility and determination to
671.16 heal the divides that have held back our
673.56 progress
679.73 as Lincoln said to a nation far more
684.18 divided than ours we are not enemies but
687.63 friends though passion may have strained
690.42 it must not break our bonds of affection
694.61 and to those Americans who whose support
698.37 I have yet to earn I may not have won
701.31 your vote tonight but I hear your voices
704.52 I need your help and I will be your
708.48 president too and all those watching
718.86 tonight from beyond our shores from
721.77 Parliament's and palaces to those who
724.56 are huddled around radios in the
726.0 Forgotten corners of the world our
728.21 stories are singular but our destiny is
730.95 shared and a new dawn of American
733.41 leadership is at hand to those to those
742.68 who would tear the world down we will
746.04 defeat you to those who seek peace and
750.57 security we support you and to all those
755.07 who have wondered if America's beacon
757.11 still burns as bright tonight we proved
760.17 once more that the true strength of our
762.48 nation comes not from the might of our
764.46 arms or the scale of our wealth but from
766.71 the enduring power of our ideals
768.86 democracy Liberty opportunity and
772.23 unyielding
783.72 that's the true genius of America that
787.54 America can change our union can be
792.43 perfect what we've already achieved
795.01 gives us hope for what we can and must
797.589 achieve tomorrow this election had many
800.92 firsts and many stories will be told for

803.5 generations but one that's on my mind
805.63 tonight's about a woman who cast her
808.18 ballot in Atlanta she is a lot like the
811.69 millions of others who stood in line to
813.4 make their voice heard in this election
814.99 except for one thing
816.67 and Nixon Cooper is 106 years old she
822.76 was born just a generation past slavery
824.92 a time when there were no cars on the
827.65 road or planes in the sky when someone 830.8
like her couldn't vote for two reasons
832.54 because she was a woman and because of
835.06 the color of her skin and tonight I
838.51 think about all that she's seen
840.82 throughout her century in America the
844.06 heartache and the hope the struggle and
847.06 the progress the times we were told that
849.82 we can't
850.48 and the people who pressed on with that
853.57 American creed yes we can at a time when
858.52 women's voices were silenced and their
860.32 hopes dismissed she lived to see them
862.779 stand up and speak out and reach for the
865.0 ballot yes we can when there was despair
868.839 in the Dust Bowl and depression across
871.66 the land she saw a nation conquer fear
874.42 itself with a new deal new jobs a new
877.69 sense of common purpose yes we can when
882.58 the bombs fell on our harbor and tyranny
886.06 threatened the world she was there to
887.68 witness a generation rise to greatness
889.51 and a democracy was saved yes we can she
895.66 was there for the buses in Montgomery
897.18 the hoses in Birmingham a bridge in
900.16 Selma and a preacher from Atlanta who
902.589 told the people that
904.029 we shall overcome yes we can a man
909.759 touched down on the moon a wall came
912.97 down in Berlin a world was connected by
916.75 our own science and imagination and this
920.079 year in this election she touched her
923.35 finger to a screen and cast her vote
926.79 because after a hundred and six years in
929.47 America through the best of times and
932.23 the darkest of hours she knows how
934.24 America can change yes we can America we
940.48 have come so far we have seen so much
944.37 but there's so much more to do so
947.189 tonight let us ask ourselves if our
951.399 children should live to see the next
953.649 century if my daughter's should be so
956.829 lucky to live as long as an Nixon cooper
959.85 what change will they see what progress
963.879 will we have made this is our chance to
967.87 answer that call this is our moment this

```
[ ] transcript[0:5]
```

```
[{'text': 'hello Chicago', 'start': 3.34, 'duration': 3.66},
 {'text': 'if there is anyone out there who still',
  'start': 14.63,
  'duration': 8.5},
 {'text': 'doubts that America is a place where all',
  'start': 19.56,
  'duration': 8.46},
 {'text': 'things are possible who still wonders if',
  'start': 23.13,
  'duration': 7.35},
 {'text': 'the dream of our founders is alive in',
  'start': 28.02,
  'duration': 6.3}]
```

```
[ ] result = ""
    for i in transcript:
      result += ' ' + i['text']
    print(len(result))
```

```
10763
```

```
[ ] summarizer = pipeline('summarization')
```

No model was supplied, defaulted to sshleifer/distilbart-cnn-12-6 and revision a4f8f3e (https://huggingface.co/sshleifer/distilbart-cnn-12-6).
Using a pipeline without specifying a model name and revision in production is not recommended.

config.json: 100%	1.80k/1.80k [00:00<00:00, 55.0kB/s]
pytorch_model.bin: 100%	1.22G/1.22G [00:26<00:00, 38.9MB/s]
tokenizer_config.json: 100%	26.0/26.0 [00:00<00:00, 97.0B/s]
vocab.json: 100%	899k/899k [00:00<00:00, 1.13MB/s]
merges.txt: 100%	456k/456k [00:00<00:00, 1.16MB/s]

[" Lines stretched around schools and churches in numbers this nation has never seen by people who waited three hours and four hours for the first time in their lives because th

```
[ ] str(summarized_text)
```

'[" Lines stretched around schools and churches in numbers this nation has never seen by people who waited three hours and four hours for the first time in their lives because t
hey believed that this time must be different that their voices could be that difference . It\'s the answer that led those who\'ve been told for so long by so many to be cynical
and cynical .", " Senator McCain fought long and hard in this campaign and he\'s fought even longer and harder for the country that he loves he has endured sacrifices for Americ
a that most of us cannot begin to imagine we are better off for the service rendered by this brave and selfless leader I congratulate him I congratulate Governor Palin for all t
he David Rives and I look forward to working with them to renew this nation\'s promise .", \' Biden says he would not be standing here tonight without the unyielding support of
his best friend for the last 16 years . He says he\\\'s grateful to his campaign manager David Plouffe the unsung hero of this campaign . Biden: "I love you both more than you c
an imagine and you have earned the new puppy that\\\'s coming with us to the White House"\', " I was never the likeliest candidate for this office we didn\'t start with much mon
ey or many endorsements our campaign was not hatched in the halls of Washington it began in the backyards of Des Moines and the living rooms of Concord and the front porches of
Charleston . It drew strength from the young people who rejected the myth of apathy who left their homes and their families for jobs that offered little pay and less sleep .", "
Even as we celebrate tonight we know the challenges that tomorrow will bring are the greatest of our lifetime . We know there are brave Americans waking up in the deserts of Ira
q and the mountains of Afghanistan to risk their lives for us . There\'s new energy to harness new jobs to be created new schools to build and threats to meet allianian .", " Th
e road ahead will be long our climb will be steep but America I have never been more hopeful than I am tonight that we will get there I promise you we as a people will get it .
There will be setbacks and false starts there are many who won\'t agree with every decision I make as president .", " Let us summon a new spirit of patriotism of responsibility
where each of us resolves to pitch in and work harder and look after not only ourselves but each other . If this financial crisis taught us anything it\'s that we cannot have a
thriving Wall Street while Main Street suffers in this country we rise or fall as one nation as one people .", \' "I may not have won your vote tonight but I hear your voices I
need your help and I will be your president too" "We are not enemies but friends though passion may have strained it must not break our bonds of affection" "A new dawn of Americ
an leadership is at hand," says Obama .\', " Nixon Cooper is 106 years old and was born just a generation past slavery . Nixon Cooper was born in a time when there were no cars
on the road or planes in the sky when someone like her couldn\'t vote for two reasons because she was a woman and because of the color of her skin .", \' A hundred and six years
in America through the best of times and the darkest of hours she knows how America can change . She was there to witness a generation rise to greatness and a democracy was save
d yes we can . A man touched down on the moon a wall came down in Berlin a world was connected by our own science and imagination .\', \' This is our chance to put our people ba
ck to work and open doors of opportunity for our kids to restore prosperity and promote the cause of peace to reclaim the American Dream . "While we breathe we hope and where we
are met with cynicism and doubt we will respond with that timeless creed that sums up the spirit of a people yes we can thank you god bless you"\']<'

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len(str(summarized_text))
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972.069 is our time to put our people back to
975.339 work and open doors of opportunity for
977.199 our kids to restore prosperity and
979.689 promote the cause of peace to reclaim
982.269 the American Dream and reaffirm that
984.55 fundamental truth that out of many we
987.309 are one that while we breathe we hope
990.129 and where we are met with cynicism and
992.86 doubt and those who tell us that we
995.319 can't we will respond with that timeless
997.779 creed that sums up the spirit of a
1000.569 people yes we can thank you
1004.05 god bless you and may God bless the
1006.75 United States of America
1019.4 you
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Colab link:

https://colab.research.google.com/drive/18jPb1HjR7swhe89y9N9kFXoGAlSXTs1U?usp=sharing