

Hello, my name is Alexander Gonzalez and in this project we will be web scrapping paragraphs from the Xbox wikipedia page, and we will be working with the words we can pull from this webpage.

In []:

```
In [1]: import requests # to get the html source code of the page
from bs4 import BeautifulSoup # to parse the html source code
import re # to use regular expressions
from nltk.corpus import stopwords # to remove stopwords
from nltk.stem import PorterStemmer # to stem words to their root form (Example: running)
import nltk
from nltk.tokenize import sent_tokenize, word_tokenize
from sklearn.feature_extraction.text import TfidfVectorizer
import numpy as np
```

Download nltk data

```
In [2]: # Preprocess the text (remove punctuation and stopwords)
nltk.download('punkt')
nltk.download('stopwords')
stop_words = set(stopwords.words('english'))
```

```
[nltk_data] Downloading package punkt to
[nltk_data] C:\Users\AJ\AppData\Roaming\nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package stopwords to
[nltk_data] C:\Users\AJ\AppData\Roaming\nltk_data...
[nltk_data] Package stopwords is already up-to-date!
```

Fetch and Parse HTML

```
In [3]: url = "https://en.wikipedia.org/wiki/Xbox"
response = requests.get(url)
html_content = response.content
soup = BeautifulSoup(html_content, 'html.parser')
```

Extracting the data

```
In [4]: # Example: Extracting all paragraphs
paragraphs = soup.find_all('p')
# Extracting text from each paragraph
paragraph_texts = [paragraph.get_text() for paragraph in paragraphs]
```

Text Preprocessing

```
In [5]: # Remove special characters using regex
cleaned_text = [re.sub(r'^a-zA-Z0-9\s', '', text) for text in paragraph_texts]

# Tokenization
tokenized_text = [word_tokenize(text) for text in cleaned_text]
```

```
# Remove stopwords
stop_words = set(stopwords.words('english'))
filtered_text = [[word for word in tokens if word not in stop_words] for tokens in tok
```

```
In [6]: # Remove empty tokens
final_text = [[word for word in tokens if word.strip()] for tokens in filtered_text]

# Convert tokens back to sentences
sentences = [' '.join(tokens) for tokens in final_text]
```

```
In [7]: # Convert sentences back to paragraphs
processed_paragraphs = '\n\n'.join(sentences)
```

Save the Proprocess

```
In [8]: with open('processed_text.txt', 'w', encoding='utf-8') as file:
        file.write(processed_paragraphs)

        print(processed_paragraphs)
```

Xbox video gaming brand created owned Microsoft The brand consists five video game consoles well applications games streaming service Xbox Cloud Gaming online services Xbox network Xbox Game Pass development arm Xbox Game Studios The brand first introduced United States November 2001 launch original Xbox console

The original device first video game console offered American company Atari Jaguar stopped sales 1996 It reached 24 million units sold May 2006 Microsofts second console Xbox 360 released 2005 sold 86 million units October 2021 The third console Xbox One released November 2013 sold 58 million units² The fourth line Xbox consoles Xbox Series X Series S released November 2020 The head Xbox Phil Spencer succeeded former head Marc Whitten late March 2014³⁴

When Sony Computer Entertainment first announced PlayStation 2 1999 company positioned console centerpiece home entertainment would play video games also could play audio CDs video DVDs Microsoft whose business primarily supporting personal computer PC business Windows operating system software games saw PlayStation 2 threat personal computer⁵

Four engineers Microsofts DirectX team Kevin Bachus Seamus Blackley Ted Hase DirectX team leader Otto Berkes began envision Microsoft console compete PlayStation 2 would like They designed system would use many hardware components common PCs effectively running version Windows DirectX power games console⁶⁵ This approach would make easy developers Windows build games new system differentiating custom hardware solutions consoles⁷⁸ Numerous names suggested console including Direct X Box⁹ Windows Entertainment Project¹⁰ Microsofts marketing team conducted consumer surveys name using name Xbox control believing would least desirable found highest preference tests selected name console¹¹

While original Xbox modest sales Microsoft took large financial loss support However performance sufficient convince company continue produce line Since release four generations Xbox recent Xbox Series X Series S units The Xbox become direct competitor Sonys PlayStation brand offering high performance gaming systems roughly similar specifications

Microsoft recently working leverage branding Xbox beyond console hardware general video game brand reflected renaming Microsoft Studios Xbox Game Studios 2019¹²¹³ Phil Spencer stated June 2019 Microsoft The business isnt many consoles sell The business many players playing games buy play journalists taken route deemphasize console hardware prioritize games subscriptions services players¹⁴¹⁵ Later February 2020 Spencer said moving forward company see traditional gaming companies like Nintendo Sony competitors instead offer cloud computing services Amazon Google Spencer identified Microsoft Azure major component plans going forward powers xCloud game streaming service¹⁶ Spencer also cited mobile gaming potential area Microsoft trying position services become preferred form gaming Spencer said I dont think hardware agnostic much want play describing Microsoft strategizing Xbox branding future¹⁷

The original Xbox released November 15 2001 North America February 22 2002 Japan March 14 2002 Australia Europe It Microsofts first foray gaming console market As part sixth generation video game consoles Xbox competed Sonys PlayStation 2 Segas Dreamcast stopped American sales Xbox went sale Nintendos GameCube The Xbox built around 733 MHz 32bit Intel Pentium III CPU 233 MHz Nvidia GeForce 3based NV2A GPU 64 MB memory The Xbox first console offered American company Atari Jaguar stopped sales 1996 The name Xbox derived contraction DirectX Box reference Microsofts graphics API DirectX¹⁸¹⁹

The integrated Xbox Live service launched November 2002 allowed players play games online broadband connection²⁰ It first competed Dreamcasts online service later primarily competed PlayStation 2s online service Although two competing services free Xbox Live required subscription well broadbandonly connection completely adopted yet Xbox Live success due better servers features buddy list milestone titles Halo 2 released N

November 2004 became bestselling Xbox video game far popular online game original Xbox system

The Xbox 360 released successor original Xbox November 2005 competing Sonys PlayStation 3 Nintendos Wii part seventh generation video game consoles It featured custom triple-core 64bit PowerPC-based processor design IBM 512 MB RAM memory As of June 2014 84 million Xbox 360 consoles sold worldwide²¹ The Xbox 360 officially unveiled MTV May 12 2005 detailed launch game information divulged later month Electronic Entertainment Expo E3 The console sold completely upon release regions except Japan²²²³²⁴ Several retail configurations core Xbox 360 model offered lifetime varying amount RAM internal storage offered

The Xbox 360 showed expanded Xbox Live service included limited Free tier called Silver ability stream multimedia content PCs later updates added ability purchase stream music television programs films Xbox Music Xbox Video services along access thirdparty content services thirdparty media streaming applications Microsoft also released Kinect motion control system Xbox 360 uses advanced sensor system

Two major revisions Xbox 360 released following initial launch The Xbox 360 S typically considered Slim launched 2010 featured core hardware redesigned slimmer form factor smaller sized 250 GB hard drive It also added integrated 802.11 b/g/n WiFi TOSLINK SPDIF optical audio output five USB 2.0 ports compared three older versions special port designed Kinect peripheral The Xbox 360 S replaced base Xbox 360 unit discontinued sold price²⁵²⁶²⁷ A cheaper Xbox 360 S unit removing 250 GB drive adding 4 GB internal storage released later 2010 unit allowed users hook external storage solution purchase 250 GB internal add-on

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The Xbox One released November 22 2013 North America successor Xbox 360 The Xbox One competes Sonys PlayStation 4 Nintendos Wii U Switch part eighth generation video game consoles It features AMD Accelerated Processing Unit APU built around 64bit x86-64 instruction set come 12 GB memory

Announced May 21 2013²⁸ Xbox One emphasis internet-based features including ability record stream gameplay ability integrate set-top box watch cable satellite TV console enhanced guide interface Kinect-based voice control²⁹³⁰³¹³²

Following unveiling Xbox One proved controversial original digital rights management privacy practices Microsoft touted ability users access library games regardless whether purchased physically digitally Xbox One console without needing discs ability share entire library¹⁰ designated family members games would tie users Xbox Live account Xbox One console would require connect Internet periodic basis least every 24 hours synchronize library else console would unable play games all³³³⁴ After overwhelmingly negative response critics consumers also showed concerns system could prevent hinder resale used games Microsoft announced restrictions would drop³⁵ Microsoft also criticized requiring Xbox One updated Kinect peripheral plugged function critics privacy advocates believed could used surveillance device As gesture toward showing commitment user privacy Microsoft decided allow console function without Kinect³⁶³⁷³⁸

On June 13 2016 Microsoft announced Xbox One S E3 2016 featured smaller form factor well support 4K video including streaming Ultra HD Blu-ray HDR³⁹ At E3 2017 Microsoft unveiled Xbox One X high-end model improved hardware designed facilitate playing games 4K resolution⁴⁰

Since November 2014 Microsoft stated release sales numbers Xbox One line⁴¹ Xbox head Phil Spencer said internally track sales figures want developers focused numbers affected

Microsoft products thus opted to report sales of Xbox hardware going forward.⁴² In July 2023, Microsoft revealed that the Xbox One line sold 58 million units.²

The fourth generation Xbox models, simply named Xbox⁴³, includes Xbox Series X and Xbox Series S, launched November 10, 2020. Both are considered members of the ninth generation video game consoles alongside PlayStation 5, also released the same month. Like Xbox One consoles, they use AMD 64-bit x86_64 CPU/GPU, 16 GB memory.

The Xbox Series X and Series S are high-end and low-end versions, respectively, comparable to Xbox One X and Xbox One S models. They are designed for the same family of playable systems. The Xbox Series X is estimated to be four times as powerful as Xbox One X, supporting 8K resolution at 120 frames per second, rendering a nominal target of 4K resolution at 60 frames per second. The Xbox Series S, with a slightly less powerful graphics processing unit, still renders a nominal 1440p resolution at 60 frames per second, supporting 4K upscaling. Both consoles feature support for new graphics rendering systems, including real-time ray tracing. The new Xbox Velocity Architecture works with internal SSDs to maximize the rate of texture streaming. The graphics processor, among other features, is backward compatible with games from previous console families. Xbox One games run well on the new hardware, and backward-compatible games from previous Xbox consoles (Xbox 360, original Xbox) also run.⁴⁴

To help transition consumers, Microsoft introduced a Smart Delivery system for first-party games, and several third-party games offer free updates for Xbox One versions. Games for Xbox Series XS are available in the first years of the consoles' launch.^{45,46}

The following table compares four generations of Xbox hardware.

Best-selling nonbundled game: Grand Theft Auto V, 229.5 million.⁵¹

See Xbox 360 accessories.

See Xbox One accessories.

See Xbox One accessories.

Various monitor resolutions available via VGA, HDMI, DVI: 640x480, 848x480, 1024x768, 1280x720, 1280x768, 1280x1024, 1360x768, 1440x900, 1680x1050, 1920x1080.

Each console supports a variety of games. Most games released for original Xbox are backwards compatible and played directly on the successor Xbox 360. Backward compatibility for Xbox 360 titles was added to Xbox One a year and a half after its launch, in June 2015, for specific titles requiring Kinect USB peripherals. Supported titles for Xbox Series XS support backward compatibility for Xbox One titles, except for Kinect-requiring games. Well over 100 Xbox 360 and original Xbox titles made available on Xbox One.

Games using Xbox Live brands also released for Microsoft Windows, Windows Phone, Android, and iOS devices. Xbox games can also be played using Xbox Cloud Gaming streaming service.

Microsoft used a razor-blades model to sell family Xbox consoles, selling the console at a price that offsets manufacturing costs, earning revenue from licensing fees, and collecting from publishers, developers, and service providers offered to players.⁶¹

Xbox network, formerly known as Xbox Live online service, has 65 million users worldwide as of July 2019.⁶² It comprises an online virtual market, the Xbox Games Store, which allows purchase and download of games in various forms of multimedia. Online gaming on Xbox first started in November 15, 2002, worldwide. The service is still active and continues to attract gamers.

Microsoft Store, an online marketplace, made Microsoft's Xbox One and Xbox Series XS consoles. The marketplace buys games, apps, movies, etc., for digital download.

The Xbox 360 console uses the previous Xbox Games Store client.

The Xbox app, a companion application, is available on Windows 8, Windows 10, Windows 11, iOS, and Android.

oid version 40 above63 Windows Server 2012 It announced Microsoft E3 2012 released October 26 2012 coinciding release Windows 864 It connect console allows interactive entertainment allowing mobile devices potentially serve second screens remote controller

Xbox Game Pass Cloud Gaming65 codenamed xCloud development Microsofts Xbox cloud gaming streaming service

In 2019 Microsoft released content filtering stop swearing toxicity online gaming The service enables players report messages Gamertags photos toxic content platform66

Xbox Game Pass subscription service Microsoft use Xbox One Xbox Series XS Windows 10 Windows 11 The Xbox Game Pass grants users access catalog games range publishers single monthly subscription price The service launched June 1 2017

Xbox Wire Xboxs news blog launched Microsoft May 2013 preparation announcement Xbox One67 It Microsofts first Xboxfocused blog since shut Gamerscore early 200968 In March 2022 Japaneselanguage version site published part Microsofts focus Japanese gaming market69

The main interface four generations Xbox Xbox Dashboard allows users manage games stored console play media access system settings Since 2002 Dashboard integrated Xbox network provides online functionality storefront options The operating systems Xbox platforms heavily modified versions Windows NT operating system original Xbox Xbox 360 system softwares based Windows 2000 latest system software Xbox One Xbox Series XS based Windows 11 support Universal Windows Platform UWP applications

In May 2020 Xbox presented preview version app allows parents guardians set daily limits childrens playing time provides weekly activity reports filters agerestricted games places limits online communication This attempt Microsoft Xboxs owner promote message responsible gaming70

Released 2001 Xbox control pad first controller made original Xbox The Xbox controller features two analog sticks pressuresensitive directional pad two analog triggers Back button Start button two accessory slots six 8bit analog action buttons AGreen BRed XBlue YYellow Black White buttons71 The original Xbox controller nicknamed Fatty72 later Duke73 controller initially bundled Xbox systems territories except Japan received compact controller called Controller S The Controller S later made standard included controller territories

Released 2005 Xbox 360 controller Xbox 360 succeeded predecessor A standard Xbox 360 controller features eleven digital buttons two analog triggers two analog sticks digital Dpad The right face controller features four digital action buttons green A button red B button blue X button yellow Y button The lower right houses right analog stick lower left digital Dpad left face left analog stick Both analog sticks also clicked activate digital button beneath In center controller face digital Start Back Guide buttons The Guide button labelled Xbox logo used turn consolecontroller access guide menu It also surrounded ring light indicates controller number well flashing connecting provide notifications The left right shoulders feature digital shoulder button bumper analog trigger

The Xbox One console revised controller forty improvements 360s controller This new controller built work Kinect The Start Back buttons replaced Menu View buttons It impulse triggers replace regular triggers The Xbox button still brings miniguide recent dashboard versions though earlier iterations brought main dashboard menu leaving game uninterrupted

The fourth generation Xbox Controller doesnt change much Xbox One controller new wireless Xbox Controller add capture share button hybrid dpad better gripping bumpers triggers74 The controller also promised cross compatible certain PCs mobile devices75

The Xbox Adaptive Controller special controller designed accessibility features players. Besides physically larger typical controllers, it includes additional ports for devices connected, mapped controller functions. The controller is limited to Xbox Windows platforms but is also compatible with PlayStation and Nintendo Switch.

Kinect stylized KINECT motion sensing input device. Microsoft Xbox 360 video game console. Windows PCs. Based around webcam-style add-on peripheral. Xbox 360 console enables users to control and interact with Xbox 360 without the need for a touch game controller. Natural user interface using gestures and spoken commands.⁷⁶ The project aimed at broadening Xbox 360's audience beyond the typical gamer base.⁷⁷ Kinect competes with Wii Remote Plus, PlayStation Move, PlayStation Eye motion controllers, Wii, PlayStation 3 home consoles, respectively. A version for Windows released February 1, 2012.⁷⁸

Kinect launched in North America November 4, 2010;⁷⁹ Europe November 10, 2010;⁸⁰ Australia, New Zealand, Singapore November 18, 2010.⁸¹ Japan November 20, 2010.⁸⁴ Purchase options: sensor peripheral, include bundle, game. Kinect Adventures console bundles either 4 GB/858687, 250 GB/88 Xbox 360 console, Kinect Adventures.⁸⁵ 868788

The Kinect claimed Guinness World Record for fastest selling consumer electronics device, selling a total of 8 million units in the first 60 days.⁸⁹ 9091 24 million units. Kinect sensor shipped January 2012.⁵⁰

Microsoft released Kinect software development kit for Windows 7 June 16, 2011.⁹² 9394 This SDK meant to allow developers to write Kinecting apps in C#, C, Visual Basic, .NET.⁹⁵ 96

Additional information: Xbox One Kinect released June 6, 2013, including information that turn always feature.⁹⁷

Although featuring improved performance, the original Xbox 360 Kinect successor Xbox One Kinect subject to mixed responses. It was praised for wide-angle, fast response time, high-quality camera. However, Kinect's inability to understand accents in English was criticized. Furthermore, controversies surround Microsoft's intentional tying of the sensor to the Xbox One console despite initial requirements for a sensor-plugged times revised since initial announcement. There also number concerns regarding privacy.

When Xbox Live online service launched 2002, Xbox Communicator headset included Live Starter Kit.⁹⁸ The Communicator enabled in-game voice chat, consisted of a wired headset, interface module. The module plugged into controllers' top expansion slot. Headset plugged into interface module, equipped with dial control, volume button, mute microphone.⁹⁹ The headset socket module standard 25mm TRS audio jack, monaural input/output, compatible with cellular phone headsets.

Xbox 360 controllers featured built-in monaural 25mm TRS jack, also compatible with standard cellular phone headsets, allowing players to reuse Xbox Communicator headset chat. Xbox Live without separate interface module.¹⁰⁰ The premium console bundle included wired Xbox 360 Live Communicator headset, grey/white cosmetics matching console, also available separately.¹⁰¹ Wired headset connected to audio jack, bottom controller, wide plug, included mute/volume controls. An updated Xbox 360 Headset released 2010, black cosmetics, bundled with Xbox 360 S, revised wired headset, mute/volume controls moved position inline along cable.

Microsoft also announced Xbox 360 Wireless Headset, first-party, single-ear headset accessory designed and released for Xbox 360 console November 2005. Special editions: wireless headset released in colors themed Halo 3: Green/Orange September 2007;¹⁰² Xbox 360 S black 2010; Halo Reach silver September 2010.¹⁰³ It replaced Xbox 360 Wireless Headset. Bluetooth 2.0¹¹ could be used with console using Xbox wireless protocol, phone using Bluetooth.¹⁰⁴

The initial revision Xbox One Wireless Controller Model 1537 also included 25mm monaural jack, compatible with standard cellular phone headsets. Microsoft bundled Xbox One Chat

Headset console starting launch 2013 headset permanently wired interface module plugged controllers expansion port provided microphone mute volume controls¹⁰⁵ In addition Microsoft released Xbox One Stereo Headset early March 2014 bundled Stereo Headset Adapter allowed players listen ingame audio blended chat simultaneously The Adapter connected controllers expansion port headset jack Headset connected Adapter 35mm plug Prior headsets released Xbox Xbox 360 limited voice chat only¹⁰⁶ A whitecolored special edition released fall 2016¹⁰⁷ The next revision controller Model 1697 replaced 25mm jack 35mm jack¹⁰⁸

A new Xbox Wireless Headset introduced February 2021 targeted use Xbox One Xbox Series XS Windows computers The outer surface earcup rotary control right earcup controls overall volume left earcup controls gamechat mix level¹⁰⁹ It equipped proprietary Xbox Wireless Bluetooth radios could connected simultaneously¹¹⁰ A corresponding Xbox Stereo Headset omits wireless connections favor standard 35mm plug also omits gamechat mix control dial introduced August 2021 reduced price¹¹¹

In 2016 Microsoft announced would hold Xbox FanFest instead press conference Gamescom annual European video game convention¹¹² Microsoft held Xbox FanFest Sydney September 2016¹¹³

Microsoft held 20th anniversary celebration stream Xbox November 15 2021 During announced documentary behind history Xbox titled Power On The Story Xbox The documentary released six parts starting December 13 2021¹¹⁴ The documentary Daytime Emmy Award Outstanding Single Camera Editing¹¹⁵

In [9]:

```
# Split the text into sentences keeping the original format
original_sentences = processed_paragraphs.strip().split('.')

# Now 'original_sentences' is an array of text
print(original_sentences)
```


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To help transition consumers Microsoft introduced Smart Delivery system first-party games several third-party games use offer free updates Xbox One versions games Xbox Series XS version first years consoles launch

The following table comparison four generations Xbox hardware

Best selling non-bundled game Grand Theft Auto V 229.5 million

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See Xbox One accessories

Various monitor resolutions available via VGA HDMI DVI 640x480 848x480 1024x768 1280x720 1280x768 1280x1024 1360x768 1440x900 1680x1050 1920x1080

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anufacturing costs earning revenue licensing fees collects publishers developers serv
ices offered players61\n\nXbox network formerly known Xbox Live online service 65 mil
lion users worldwide July 201962 It comprises online virtual market Xbox Games Store
allows purchase download games various forms multimedia Online gaming Xbox first star
ted November 15 2002 worldwide The service still active continues played gamers\n\nMi
crosoft Store online marketplace made Microsofts Xbox One Xbox Series XS consoles The
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eo game console Windows PCs Based around webcamstyle add-on peripheral Xbox 360 console enables users control interact Xbox 360 without need touch game controller natural user interface using gestures spoken commands⁷⁶ The project aimed broadening Xbox 360's audience beyond typical gamer base⁷⁷ Kinect competes Wii Remote Plus PlayStation Move PlayStation Eye motion controllers Wii PlayStation 3 home consoles respectively A version Windows released February 1 2012⁷⁸ Kinect launched North America November 4 2010⁷⁹ Europe November 10 2010⁸⁰ Australia New Zealand Singapore November 18 2010⁸¹ Japan November 20 2010⁸⁴ Purchase options sensor peripheral include bundle game Kinect Adventures console bundles either 4 GB858687 250 GB88 Xbox 360 console Kinect Adventures⁸⁵868788 The Kinect claimed Guinness World Record fastest selling consumer electronics device selling total 8 million units first 60 days⁸⁹9091 24 million units Kinect sensor shipped January 2012⁵⁰ Microsoft released Kinect software development kit Windows 7 June 16 2011⁹²9394 This SDK meant allow developers write Kinecting apps CCLI C Visual Basic NET⁹⁵96 Additional information Xbox One Kinect released June 6 2013 including information turn always feature⁹⁷ Although featuring improved performance original Xbox 360 Kinect successor Xbox One Kinect subject mixed responses It praised wide-angle fast response time high-quality camera However Kinect's inability understand accents English criticized Furthermore controversies surround Microsoft's intentional tying sensor Xbox One console despite initial requirements sensor plugged times revised since initial announcement There also number concerns regarding privacy When Xbox Live online service launched 2002 Xbox Communicator headset included Live Starter Kit⁹⁸ The Communicator enabled in-game voice chat consisted wired headset interface module The module plugged controllers top expansion slot headset plugged module interface module equipped dial control volume button mute microphone⁹⁹ The headset socket module standard 25mm TRS audio jack monaural input output compatible cellular phone headsets Xbox 360 controllers featured built-in monaural 25mm TRS jack also compatible standard cellular phone headsets allowing players reuse Xbox Communicator headset chat Xbox Live without separate interface module¹⁰⁰ The premium console bundle included wired Xbox 360 Live Communicator headset grey white cosmetics matching console also available separately¹⁰¹ wired headset connected audio jack bottom controller wide plug included mute volume controls An updated Xbox 360 Headset released 2010 black cosmetics bundled Xbox 360 S revised wired headset mute-volume controls moved position inline along cable Microsoft also announced Xbox 360 Wireless Headset first-party single-ear headset accessory designed released Xbox 360 console November 2005 Special editions wireless headset released colors themed Halo 3 green/orange September 2007¹⁰² Xbox 360 S black 2010 Halo Reach silver September 2010¹⁰³ It replaced Xbox 360 Wireless Headset Bluetooth 2011 could use console using Xbox wireless protocol phone using Bluetooth¹⁰⁴ The initial revision Xbox One Wireless Controller Model 1537 also included 25mm monaural jack compatible standard cellular phone headsets Microsoft bundled Xbox One Chat Headset console starting launch 2013 headset permanently wired interface module plugged controllers expansion port provided microphone mute volume controls¹⁰⁵ In addition Microsoft released Xbox One Stereo Headset early March 2014 bundled Stereo Headset Adapter allowed players listen in-game audio blended chat simultaneously The Adapter connected controllers expansion port headset jack Headset connected Adapter 35mm plug Prior headsets released Xbox Xbox 360 limited voice chat only¹⁰⁶ A white-colored special edition released fall 2016¹⁰⁷ The next revision controller Model 1697 replaced 25mm jack 35mm jack¹⁰⁸ A new Xbox Wireless Headset introduced February 2021 targeted use Xbox One Xbox Series XS Windows computers The outer surface earcup rotary control right earcup controls overall volume left earcup controls game chat mix level¹⁰⁹ It equipped proprietary Xbox Wireless Bluetooth radios could connect simultaneously¹¹⁰ A corresponding Xbox Stereo Headset omits wireless connections favor standard 35mm plug also omits game chat mix control dial introduced August 2021 reduced price¹¹¹ In 2016 Microsoft announced would hold Xbox FanFest instead press conference Gamescom annual European video game convention¹¹² Microsoft held Xbox FanFest Sydney September 2016¹¹³ Microsoft held 20th anniversary celebration stream Xbox November 15 2021 During announced documentary behind history Xbox titled Power On The Story Xbox The documentary released six parts starting December 13 2021¹¹⁴ The documentary Daytime Emmy Award Outstanding Single Camera Editing¹¹⁵]

```
In [10]: len(sentences)
```

```
Out[10]: 58
```

```
In [11]: def preprocess_text(text):  
    words = word_tokenize(text)  
    words = [word.lower() for word in words if word.isalnum()]  
    words = [word for word in words if word not in stop_words]  
    return ' '.join(words)
```

```
In [12]: def preprocess_text(text):  
    # Tokenize the text into words  
    words = word_tokenize(text)  
  
    # Replace non-alphabetical characters with spaces using regular expression  
    cleaned_sentence = re.sub(r'^a-zA-Z', ' ', text)  
    # Tokenize the cleaned sentence into words  
    cleaned_words = word_tokenize(cleaned_sentence)  
  
    # Convert words to lowercase, filter out non-alphabetical characters, and remove s  
    cleaned_words = [word.lower() for word in cleaned_words if word.isalnum() and word  
  
    # Join the cleaned words back into a single string  
    return ' '.join(cleaned_words)
```

```
In [13]: preprocessed_sentences = []  
    for sentence in sentences:  
        preprocessed_sentence = preprocess_text(sentence)  
        preprocessed_sentences.append(preprocessed_sentence)
```

```
In [14]: print(sentences)
```

['', 'Xbox video gaming brand created owned Microsoft The brand consists five video game consoles well applications games streaming service Xbox Cloud Gaming online services Xbox network Xbox Game Pass development arm Xbox Game Studios The brand first introduced United States November 2001 launch original Xbox console', 'The original device first video game console offered American company Atari Jaguar stopped sales 1996 It reached 24 million units sold May 2006 Microsofts second console Xbox 360 released 2005 sold 86 million units October 2021 The third console Xbox One released November 2013 sold 58 million units² The fourth line Xbox consoles Xbox Series X Series S released November 2020 The head Xbox Phil Spencer succeeded former head Marc Whitten late March 2014³⁴', 'When Sony Computer Entertainment first announced PlayStation 2 1999 company positioned console centerpiece home entertainment would play video games also could play audio CDs video DVDs Microsoft whose business primarily supporting personal computer PC business Windows operating system software games saw PlayStation 2 threaten personal computer⁵', 'Four engineers Microsofts DirectX team Kevin Bachus Seamus Blackley Ted Hase DirectX team leader Otto Berkes began envision Microsoft console compete PlayStation 2 would like They designed system would use many hardware components common PCs effectively running version Windows DirectX power games console⁶⁵ This approach would make easy developers Windows build games new system differentiating custom hardware solutions consoles⁷⁸ Numerous names suggested console including Direct X Box⁹ Windows Entertainment Project¹⁰ Microsofts marketing team conducted consumer surveys name using name Xbox control believing would least desirable found highest preference tests selected name console¹¹', 'While original Xbox modest sales Microsoft took large financial loss support However performance sufficient convince company continue produce line Since release four generations Xbox recent Xbox Series X Series S units The Xbox become direct competitor Sonys PlayStation brand offering high performance gaming systems roughly similar specifications', 'Microsoft recently working leverage branding Xbox beyond console hardware general video game brand reflected renaming Microsoft Studios Xbox Game Studios 2019¹²¹³ Phil Spencer stated June 2019 Microsoft The business isnt many consoles sell The business many players playing games buy play journalists taken route deemphasize console hardware prioritize games subscriptions services players¹⁴¹⁵ Later February 2020 Spencer said moving forward company see traditional gaming companies like Nintendo Sony competitors instead offer cloud computing services Amazon Google Spencer identified Microsoft Azure major component plans going forward powers xCloud game streaming service¹⁶ Spencer also cited mobile gaming potential area Microsoft trying position services become preferred form gaming Spencer said I dont think hardware agnostic much want play describing Microsoft strategizing Xbox branding future¹⁷', 'The original Xbox released November 15 2001 North America February 22 2002 Japan March 14 2002 Australia Europe It Microsofts first foray gaming console market As part sixth generation video game consoles Xbox competed Sonys PlayStation 2 Segas Dreamcast stopped American sales Xbox went sale Nintendos GameCube The Xbox built around 733 MHz 32bit Intel Pentium III CPU 233 MHz Nvidia GeForce 3 based NV 2A GPU 64 MB memory The Xbox first console offered American company Atari Jaguar stopped sales 1996 The name Xbox derived contraction DirectX Box reference Microsofts graphics API DirectX¹⁸¹⁹', 'The integrated Xbox Live service launched November 2002 allowed players play games online broadband connection²⁰ It first competed Dreamcasts online service later primarily competed PlayStation 2s online service Although two competing services free Xbox Live required subscription well broadband only connection completely adopted yet Xbox Live success due better servers features buddy list milestone titles Halo 2 released November 2004 became bestselling Xbox video game far popular online game original Xbox system', 'The Xbox 360 released successor original Xbox November 2005 competing Sonys PlayStation 3 Nintendos Wii part seventh generation video game consoles It featured custom triplecore 64bit PowerPC based processor design IBM 512 MB RAM memory As June 2014 84 million Xbox 360 consoles sold worldwide²¹ The Xbox 360 officially unveiled MTV May 12 2005 detailed launch game information divulged later month Electronic Entertainment Expo E3 The console sold completely upon release regions except Japan²²²³²⁴ Several retail configurations core Xbox 360 model offered lifetime varying amount RAM internal storage offered', 'The Xbox 360 showed expanded Xbox Live service included limited Free tier called Silver ability stream multimedia content PCs later updates added ability purchase stream music television programs films Xbox Music Xbox Video services along access thirdparty content services thirdparty me

dia streaming applications Microsoft also released Kinect motion control system Xbox 360 uses advanced sensor system', 'Two major revisions Xbox 360 released following initial launch The Xbox 360 S typically considered Slim launched 2010 featured core hardware redesigned slimmer form factor smaller sized 250 GB hard drive It also added integrated 802.11 b/g/n WiFi TOSLINK SPDIF optical audio output five USB 2.0 ports compared three older versions special port designed Kinect peripheral The Xbox 360 S replaced base Xbox 360 unit discontinued sold price \$252.627 A cheaper Xbox 360 S unit removing 250 GB drive adding 4 GB internal storage released later 2010 unit allowed users hook external storage solution purchase 250 GB internal add-on', 'The second major revision Xbox 360 Xbox 360 E released 2013 It featured case style similar upcoming Xbox One eliminated one USB port SPDIF YPbPr component S-video connections otherwise shared specifications Xbox 360 S', 'The Xbox One released November 22 2013 North America successor Xbox 360 The Xbox One competes Sony's PlayStation 4 Nintendo's Wii U Switch part eighth generation video game consoles It features AMD Accelerated Processing Unit APU built around 64-bit x86-64 instruction set come 12 GB memory', 'Announced May 21 2013 Xbox One emphasis internet-based features including ability record stream gameplay ability integrate set-top box watch cable satellite TV console enhanced guide interface Kinect-based voice control', 'Following unveiling Xbox One proved controversial original digital rights management privacy practices Microsoft touted ability users access library games regardless whether purchased physically digitally Xbox One console without needing discs ability share entire library 10 designated family members games would tie users Xbox Live account Xbox One console would require connect Internet periodic basis least every 24 hours synchronize library else console would unable play games all', 'After overwhelmingly negative response critics consumers also showed concerns system could prevent hinder resale used games Microsoft announced restrictions would be dropped', 'Microsoft also criticized requiring Xbox One updated Kinect peripheral plugged function critics privacy advocates believed could be used surveillance device As gesture toward showing commitment user privacy Microsoft decided allow console function without Kinect', 'On June 13 2016 Microsoft announced Xbox One S E3 2016 featured smaller form factor well support 4K video including streaming Ultra HD Blu-ray HDR', 'At E3 2017 Microsoft unveiled Xbox One X high-end model improved hardware designed facilitate playing games 4K resolution', 'Since November 2014 Microsoft stated release sales numbers Xbox One line', 'Xbox head Phil Spencer said internally track sales figures want developers focused numbers affect products thus opted report sales Xbox hardware going forward', 'In July 2023 Microsoft revealed Xbox One line sold 58 million units', 'The fourth generation Xbox models simply named Xbox includes Xbox Series X Xbox Series S launched November 10 2020 Both considered members ninth generation video game consoles alongside PlayStation 5 also released month Like Xbox One consoles use AMD 64-bit x86-64 CPU GPU 16 GB memory', 'The Xbox Series X Series S high-end low-end versions comparable Xbox One X Xbox One S models respectively games designed model family playable systems The Xbox Series X estimated four times powerful Xbox One X support 8K resolution 120 frames per second rendering nominal target 4K resolution 60 frames per second The Xbox Series S digital-only unit less graphic processing power still render nominal 1440p resolution 60 frames per second support 4K upscaling Both consoles features support new graphics rendering systems including realtime ray-tracing new Xbox Velocity Architecture works internal SSD drive maximize rate texture streaming graphics processor among features Besides games new console family consoles fully compatible Xbox One games hardware well backward compatible games playable Xbox One Xbox 360 original Xbox console', 'To help transition consumers Microsoft introduced Smart Delivery system first-party games several third-party games use offer free updates Xbox One versions games Xbox Series XS version first years consoles launch', 'The following table comparison four generations Xbox hardware', 'Best selling non-bundled game Grand Theft Auto V 2295 million', 'See Xbox 360 accessories', 'See Xbox One accessories', 'See Xbox One accessories', 'Various monitor resolutions available via VGA HDMI DVI 640 480 848 480 1024 768 1280 720 1280 768 1280 1024 1360 768 1440 900 1680 1050 1920 1080', 'Each console variety games Most games released original Xbox backwards compatible played directly successor Xbox 360 Backward compatibility Xbox 360 titles added Xbox One year-and-a-half launch June 2015 specific titles requiring Kinect USB peripherals supported The Xbox Series XS supports backward compatibility Xbox One titles except Kinect-required games well Xbox 360 original Xbox titles made available Xbox

x One', 'Games using Xbox Xbox Live brands also released Microsoft Windows Windows Ph one Android iOS devices Xbox games also played using Xbox Cloud Gaming streaming service', 'Microsoft used razor blades model sell family Xbox consoles selling console price manufacturing costs earning revenue licensing fees collects publishers developers services offered players⁶¹', 'Xbox network formerly known Xbox Live online service 65 million users worldwide July 2016⁶² It comprises online virtual market Xbox Games Store allows purchase download games various forms multimedia Online gaming Xbox first started November 15 2002 worldwide The service still active continues played gamers', 'Microsoft Store online marketplace made Microsofts Xbox One Xbox Series XS consoles The marketplace buy games apps movies etc digital download', 'The Xbox 360 console uses previous Xbox Games Store client', 'The Xbox app companion application available Windows 8 Windows 10 Windows 11 iOS Android version 40 above⁶³ Windows Server 2012 It announced Microsoft E3 2012 released October 26 2012 coinciding release Windows 864 It connect console allows interactive entertainment allowing mobile devices potentially serve second screens remote controller', 'Xbox Game Pass Cloud Gaming⁶⁵ codenamed x Cloud development Microsofts Xbox cloud gaming streaming service', 'In 2019 Microsoft released content filtering stop swearing toxicity online gaming The service enables players report messages Gamertags photos toxic content platform⁶⁶', 'Xbox Game Pass subscription service Microsoft use Xbox One Xbox Series XS Windows 10 Windows 11 The Xbox Game Pass grants users access catalog games range publishers single monthly subscription price The service launched June 1 2017', 'Xbox Wire Xboxs news blog launched Microsoft May 2013 preparation announcement Xbox One⁶⁷ It Microsofts first Xbox-focused blog since shut Gamerscore early 2009⁶⁸ In March 2022 Japanese language version site published part Microsofts focus Japanese gaming market⁶⁹', 'The main interface four generations Xbox Xbox Dashboard allows users manage games stored console play media access system settings Since 2002 Dashboard integrated Xbox network provides online functionality storefront options The operating systems Xbox platforms heavily modified versions Windows NT operating system original Xbox Xbox 360 system softwares based Windows 2000 latest system software Xbox One Xbox Series XS based Windows 11 support Universal Windows Platform UWP applications', 'In May 2020 Xbox presented preview version app allows parents guardians set daily limits childrens playing time provides weekly activity reports filters age-restricted games places limits online communication This attempt Microsoft Xboxs owner promote message responsible gaming⁷⁰', 'Released 2001 Xbox control pad first controller made original Xbox The Xbox controller features two analog sticks pressure-sensitive directional pad two analog triggers Back button Start button two accessory slots six 8-bit analog action buttons A Green B Red X Blue Y Yellow B Black White buttons⁷¹ The original Xbox controller nicknamed Fatty⁷² later Duke⁷³ controller initially bundled Xbox systems territories except Japan received compact controller called Controller S The Controller S later made standard included controller territories', 'Released 2005 Xbox 360 controller Xbox 360 succeeded predecessor A standard Xbox 360 controller features eleven digital buttons two analog triggers two analog sticks digital D-pad The right face controller features four digital action buttons green A button red B button blue X button yellow Y button The lower right houses right analog stick lower left digital D-pad left face left analog stick Both analog sticks also clicked activate digital button beneath In center controller face digital Start Back Guide buttons The Guide button labelled Xbox logo used turn console controller access guide menu It also surrounded ring light indicates controller number well flashing connecting provide notifications The left right shoulders feature digital shoulder button bumper analog trigger', 'The Xbox One console revised controller forty improvements 360s controller This new controller built work Kinect The Start Back buttons replaced Menu View buttons It impulse triggers replace regular triggers The Xbox button still brings miniguide recent dashboard versions though earlier iterations brought main dashboard menu leaving game uninterrupted', 'The fourth generation Xbox Controller doesn't change much Xbox One controller new wireless Xbox Controller add capture share button hybrid dpad better gripping bumpers triggers⁷⁴ The controller also promised cross-compatible certain PCs mobile devices⁷⁵', 'The Xbox Adaptive Controller special controller designed accessibility features players Besides physically larger typical controllers includes additional ports allow devices connected mapped controller functions The controller limited Xbox Windows platforms also compatible PlayStation Nintendo Switch', 'Kinect stylized KINECT motion sensing input device Microsoft Xbox 360 vid

eo game console Windows PCs Based around webcamstyle addon peripheral Xbox 360 console enables users control interact Xbox 360 without need touch game controller natural user interface using gestures spoken commands⁷⁶ The project aimed broadening Xbox 360's audience beyond typical gamer base⁷⁷ Kinect competes Wii Remote Plus PlayStation Move PlayStation Eye motion controllers Wii PlayStation 3 home consoles respectively A version Windows released February 1 2012⁷⁸, 'Kinect launched North America November 4 2010⁷⁹ Europe November 10 2010⁸⁰ Australia New Zealand Singapore November 18 2010⁸¹ 8283 Japan November 20 2010⁸⁴ Purchase options sensor peripheral include bundle game Kinect Adventures console bundles either 4 GB858687 250 GB88 Xbox 360 console Kinect Adventures⁸⁵868788', 'The Kinect claimed Guinness World Record fastest selling consumer electronics device selling total 8 million units first 60 days⁸⁹9091 24 million units Kinect sensor shipped January 2012⁵⁰', 'Microsoft released Kinect software development kit Windows 7 June 16 2011⁹²9394 This SDK meant allow developers write Kinecting apps CCLI C Visual Basic NET⁹⁵96', 'Additional information Xbox One Kinect released June 6 2013 including information turn always feature⁹⁷', 'Although featuring improved performance original Xbox 360 Kinect successor Xbox One Kinect subject mixed responses It praised wideangle fast response time highquality camera However Kinects inability understand accents English criticized Furthermore controversies surround Microsofts intentional tying sensor Xbox One console despite initial requirements sensor plugged times revised since initial announcement There also number concerns regarding privacy', 'When Xbox Live online service launched 2002 Xbox Communicator headset included Live Starter Kit⁹⁸ The Communicator enabled ingame voice chat consisted wired headset interface module The module plugged controllers top expansion slot headset plugged module interface module equipped dial control volume button mute microphone⁹⁹ The headset socket module standard 25mm TRS audio jack monaural input output compatible cellular phone headsets', 'Xbox 360 controllers featured builtin monaural 25mm TRS jack also compatible standard cellular phone headsets allowing players reuse Xbox Communicator headset chat Xbox Live without separate interface module¹⁰⁰ The premium console bundle included wired Xbox 360 Live Communicator headset grey white cosmetics matching console also available separately¹⁰¹ wired headset connected audio jack bottom controller wide plug included mute volume controls An updated Xbox 360 Headset released 2010 black cosmetics bundled Xbox 360 S revised wired headset mutevolume controls moved position inline along cable', 'Microsoft also announced Xbox 360 Wireless Headset firstparty singleear headset accessory designed released Xbox 360 console November 2005 Special editions wireless headset released colors themed Halo 3 greenorange September 2007¹⁰² Xbox 360 S black 2010 Halo Reach silver September 2010¹⁰³ It replaced Xbox 360 Wireless Headset Bluetooth 2011 could used console using Xbox wireless protocol phone using Bluetooth¹⁰⁴', 'The initial revision Xbox One Wireless Controller Model 1537 also included 25mm monaural jack compatible standard cellular phone headsets Microsoft bundled Xbox One Chat Headset console starting launch 2013 headset permanently wired interface module plugged controllers expansion port provided microphone mute volume controls¹⁰⁵ In addition Microsoft released Xbox One Stereo Headset early March 2014 bundled Stereo Headset Adapter allowed players listen ingame audio blended chat simultaneously The Adapter connected controllers expansion port headset jack Headset connected Adapter 35mm plug Prior headsets released Xbox Xbox 360 limited voice chat only¹⁰⁶ A whitecolored special edition released fall 2016¹⁰⁷ The next revision controller Model 1697 replaced 25mm jack 35mm jack¹⁰⁸', 'A new Xbox Wireless Headset introduced February 2021 targeted use Xbox One Xbox Series XS Windows computers The outer surface earcup rotary control right earcup controls overall volume left earcup controls gamechat mix level¹⁰⁹ It equipped proprietary Xbox Wireless Bluetooth radios could connected simultaneously¹¹⁰ A corresponding Xbox Stereo Headset omits wireless connections favor standard 35mm plug also omits gamechat mix control dial introduced August 2021 reduced price¹¹¹', 'In 2016 Microsoft announced would hold Xbox FanFest instead press conference Gamescom annual European video game convention¹¹² Microsoft held Xbox FanFest Sydney September 2016¹¹³', 'Microsoft held 20th anniversary celebration stream Xbox November 15 2021 During announced documentary behind history Xbox titled Power On The Story Xbox The documentary released six parts starting December 13 2021¹¹⁴ The documentary Daytime Emmy Award Outstanding Single Camera Editing¹¹⁵']

```
In [15]: # Calculate TF-IDF scores
tfidf = TfidfVectorizer()
tfidf_matrix = tfidf.fit_transform(sentences)
tfidf_scores = tfidf_matrix.sum(axis=1)
```

```
In [16]: # Find the most important sentences based on TF-IDF scores
top_sentence_indices = np.argsort(tfidf_scores, axis=0)[-10:]
```

```
In [17]: top_sentence_indices
```

```
Out[17]: matrix([[ 8],
                [45],
                [54],
                [11],
                [19],
                [ 4],
                [ 9],
                [ 7],
                [ 6],
                [15]], dtype=int64)
```

```
In [18]: sentences[8]
```

```
Out[18]: 'The integrated Xbox Live service launched November 2002 allowed players play games o
nline broadband connection20 It first competed Dreamcasts online service later primar
ily competed PlayStation 2s online service Although two competing services free Xbox
Live required subscription well broadbandonly connection completely adopted yet Xbox
Live success due better servers features buddy list milestone titles Halo 2 released
November 2004 became bestselling Xbox video game far popular online game original Xbo
x system'
```

```
In [19]: my_sentence =sentences[8]
```

```
In [20]: top_sentences = []

for index in range(len(top_sentence_indices)):
    val = sentences[index]

    # Join the top sentences to create the summary
    summary = ''.join(val) + '.'

    print(summary)
```

Xbox video gaming brand created owned Microsoft The brand consists five video game consoles well applications games streaming service Xbox Cloud Gaming online services Xbox network Xbox Game Pass development arm Xbox Game Studios The brand first introduced United States November 2001 launch original Xbox console.

The original device first video game console offered American company Atari Jaguar stopped sales 1996 It reached 24 million units sold May 2006 Microsofts second console Xbox 360 released 2005 sold 86 million units October 2021 The third console Xbox One released November 2013 sold 58 million units² The fourth line Xbox consoles Xbox Series X Series S released November 2020 The head Xbox Phil Spencer succeeded former head Marc Whitten late March 2014³⁴.

When Sony Computer Entertainment first announced PlayStation 2 1999 company positioned console centerpiece home entertainment would play video games also could play audio CDs video DVDs Microsoft whose business primarily supporting personal computer PC business Windows operating system software games saw PlayStation 2 threat personal computer⁵.

Four engineers Microsofts DirectX team Kevin Bachus Seamus Blackley Ted Hase DirectX team leader Otto Berkes began envision Microsoft console compete PlayStation 2 would like They designed system would use many hardware components common PCs effectively running version Windows DirectX power games console⁶⁵ This approach would make easy developers Windows build games new system differentiating custom hardware solutions consoles⁷⁸ Numerous names suggested console including Direct X Box⁹ Windows Entertainment Project¹⁰ Microsofts marketing team conducted consumer surveys name using name Xbox control believing would least desirable found highest preference tests selected name console¹¹.

While original Xbox modest sales Microsoft took large financial loss support However performance sufficient convince company continue produce line Since release four generations Xbox recent Xbox Series X Series S units The Xbox become direct competitor Sonys PlayStation brand offering high performance gaming systems roughly similar specifications.

Microsoft recently working leverage branding Xbox beyond console hardware general video game brand reflected renaming Microsoft Studios Xbox Game Studios 2019¹²¹³ Phil Spencer stated June 2019 Microsoft The business isnt many consoles sell The business many players playing games buy play journalists taken route deemphasize console hardware prioritize games subscriptions services players¹⁴¹⁵ Later February 2020 Spencer said moving forward company see traditional gaming companies like Nintendo Sony competitors instead offer cloud computing services Amazon Google Spencer identified Microsoft Azure major component plans going forward powers xCloud game streaming service¹⁶ Spencer also cited mobile gaming potential area Microsoft trying position services become preferred form gaming Spencer said I dont think hardware agnostic much want play describing Microsoft strategizing Xbox branding future¹⁷.

The original Xbox released November 15 2001 North America February 22 2002 Japan March 14 2002 Australia Europe It Microsofts first foray gaming console market As part sixth generation video game consoles Xbox competed Sonys PlayStation 2 Segas Dreamcast stopped American sales Xbox went sale Nintendos GameCube The Xbox built around 733 MHz 32bit Intel Pentium III CPU 233 MHz Nvidia GeForce 3based NV2A GPU 64 MB memory The Xbox first console offered American company Atari Jaguar stopped sales 1996 The name Xbox derived contraction DirectX Box reference Microsofts graphics API DirectX¹⁸¹⁹.

The integrated Xbox Live service launched November 2002 allowed players play games online broadband connection²⁰ It first competed Dreamcasts online service later primarily competed PlayStation 2s online service Although two competing services free Xbox Live required subscription well broadband only connection completely adopted yet Xbox Live success due better servers features buddy list milestone titles Halo 2 released November 2004 became bestselling Xbox video game far popular online game original Xbox system.

The Xbox 360 released successor original Xbox November 2005 competing Sonys PlayStation 3 Nintendos Wii part seventh generation video game consoles It featured custom triplecore 64bit PowerPCbased processor design IBM 512 MB RAM memory As June 2014 84 million Xbox 360 consoles sold worldwide²¹ The Xbox 360 officially unveiled MTV May 12 2005 detailed launch game information divulged later month Electronic Entertainment Ex

po E3 The console sold completely upon release regions except Japan222324 Several retail configurations core Xbox 360 model offered lifetime varying amount RAM internal storage offered.

```
In [21]: from textblob import TextBlob

# Create a TextBlob object with the text
blob = TextBlob(processed_paragraphs)

# Translate the text to Spanish
translated_blob = blob.translate('en', 'es')

# Print the translated text
print(translated_blob)
```

Marca de videojuegos de Xbox creado Microsoft Microsoft La marca consiste en cinco consolas de videojuegos Aplicaciones Servicio de transmisión de juegos Xbox Cloud Gaming Servicios en línea Xbox Network Xbox Pass Desarrollo de juego Xbox Game Studios La marca Presentada por primera vez en los Estados Unidos Noviembre 2001 Lanzamiento de Xbox Console Original Xbox

La primera consola de videojuegos del dispositivo original ofreció a la compañía estadounidense Atari Jaguar detuvo las ventas de 1996, alcanzó los 24 millones de unidades vendidas en mayo de 2001, la segunda consola de Microsofts, Xbox 360, lanzada 2005 vendió 86 millones de unidades de octubre de 2021, la tercera consola Xbox One lanzada por noviembre de 2013 vendió 58 millones de unidades 2, la cuarta, la cuarta, la cuarta. Línea Xbox Consolas Xbox Series X Series S lanzada en noviembre de 2020 The Head Xbox Phil Spencer sucedió al ex jefe Marc Whitten a fines de marzo de 201434

Cuando Sony Computer Entertainment anunció por primera vez que PlayStation 2 1999 Posicionó la obra central de la consola Home Entertainment que jugaría videojuegos también podría reproducir Audio CDs Video DVDs Microsoft cuyo negocio principalmente compatible con la computadora personal PC Negocios Operación Los juegos de software vieron PlayStation 2 Computer personal personal5

Cuatro ingenieros Microsofts DirectX TeamKevin Bachus Seamus Blackley Ted Hase DirectX Leader Otto Berkes Comenzan Vision Microsoft Console Compete PlayStation 2 Desearía que el sistema diseñado utilizaría muchos componentes de hardware PC comunes Common Effective Version Version Juegos Nuevos sistema que diferencian las consolas de soluciones de hardware personalizadas78 Numerosos nombres consolas sugeridas que incluyen direct x box9 windows entretenimiento proyecto de entretenimiento10 equipo de marketing de microsofts realizó el nombre de encuestas de consumidores con el nombre de Xbox Control creyendo que menos deseable se encontraría con pruebas de preferencia más altas consolas de nombre seleccionadas11

Mientras que las ventas de Xbox modestas originales, Microsoft tomó un gran soporte de pérdidas financieras, sin embargo, el rendimiento suficiente convence a la compañía continuar la línea de productos desde el lanzamiento de las unidades de la serie S de la serie X de la serie X de Xbox Xbox de lanzamiento de cuatro generaciones.

Microsoft RECUESTA FIBRA DE TRABAJO de la marca Xbox más allá de la marca de los videojuegos de hardware de la consola reflejada por renombrar Microsoft Studios Xbox Game Studios 20191213 Phil Spencer declaró junio de 2019 Microsoft El negocio no es muchas consolas venden el negocio Muchos jugadores jugando juegos compran periodistas tomados en la ruta de la ruta de hardware de hardware de hardware console Servicios de jugadores1415 Más adelante en febrero de 2020 Spencer dijo que la compañía en el futuro consulte compañías de juegos tradicionales como los competidores de Nintendo Sony, en cambio, ofrece servicios de computación en la nube Amazon Google Spencer identificó Microsoft Azure Componentes principales Planes de avance del Servicio de transmisión de juegos XCloud16 Spencer también citó el área de juego móvil Microsoft Servicios de posición intentadores de la posición de prueba Conviértete en la forma preferida a Gaming Spencer dijo que no creo que el hardware agnóstico sea mucho que te guste el juego que describe Microsoft Strategizing Xbox Branding Future17

La Xbox original lanzada el 15 de noviembre de 2001 North America el 22 de febrero de 2002 Japón 14 de marzo de 2002 Australia Europa IT Microsofts Primer mercado de consolas de juegos de juego en la fijación de juegos como parte de la sexta generación Consolas de videojuegos Xbox Competido Sonys PlayStation 2 Segas Dreamcast detuvo las ventas estadounidenses Xbox fue la venta de Nintendos Gamecube. Alrededor de 733 MHz 32 bits Intel Pentium III CPU 233 MHz Nvidia GeForce 3 basados en la GPU NV2A Based NV2A 64 MB Memoria La primera consola de Xbox ofreció la compañía estadounidense Atari Jaguar detuvo las ventas 1996 El nombre de Xbox Derived Directx DirectX Referencia de referencia Microsofts Graphics API DirectX1819

El servicio integrado de Xbox Live lanzado en noviembre de 2002 permitió a los jugadores

res jugar juegos en línea Conexión de banda ancha20 Primero compitió el servicio en línea de Dreamcasts en línea más tarde, principalmente el servicio en línea de PlayStation 2s, aunque dos servicios competitivos, la suscripción de Xbox Live es una conexión de banda ancha completamente adoptada sin embargo, Xbox Live Success Due Better Servers Características de los servidores Buddy Lista de títulos de hilo Halo 2 lanzado en noviembre de 2004 se convirtió en un videojuego de Xbox más vendido mucho popular juego en línea Sistema de Xbox original

El sucesor de Xbox 360 lanzó el sucesor original Xbox Noviembre 2005 Competing Sonys PlayStation 3 Nintendos Wii Parte Séptima generación Consolas de videojuegos de los videojuegos Presentaba un diseño de procesador de 64 bits de 64 bits PowerPC Based IBM 512 MB RAM RAM como junio de 2014 84 millones de consolas Xbox 360 vendidas Worldwide 21 el Xbox 360 mtvsuguellado oficialmente a oficio de oficialmente 12 de mayo de 2005 Información detallada del juego Información divulgada posterior mes Electronic Entertainment Expo E3 La consola se vendió completamente en regiones de lanzamiento, excepto a Japón222324 Varias configuraciones minoristas Modelo Core Xbox 360 ofrecido por video Varial Varialing Ram Almacenamiento interno ofrecido ofrecido

El servicio Xbox Live ampliado de Xbox 360 incluyó un nivel gratuito limitado llamado Silver Sallity Stream Multimedia Content PCS posteriores actualizaciones de habilidades agregadas Comprar programas de televisión musical Películas Xbox Music Xbox Video Servicios de video a lo largo de Access Servicios de contenido de tercer partido Aplicaciones de transmisión de medios de tercera parte Microsoft también lanzó Kinect Motion Control System Xbox 360 utiliza un sistema de sensor avanzado

Dos revisiones principales Xbox 360 lanzadas después del lanzamiento inicial El Xbox 360 S típicamente considerado Slim lanzado 2010 Contrada de hardware con núcleo rediseñado Factor de forma delgada Smaller sized 250 GB Disco duro también agregó 80211 BGN Wifi Toslink SPDIF SPDIF Optical Optical Salida óptica Cinco USB 20 Ports comparó tres más antiguas Versiones más antiguas. Kinect Kinect de puerto especial PERIPHERAL La unidad de Xbox 360 reemplazada por Xbox 360 S se discontinuó el precio vendido Vendido 252627 Una unidad Xbox 360 S más barata que elimina la unidad de 250 GB Agregar 4 GB de almacenamiento interno liberado más tarde la unidad 2010 permitía la solución de almacenamiento externo de los usuarios comprar 250 GB interno interno interno interno de 250 GB

La segunda revisión importante de la revisión Xbox 360 Xbox 360 E lanzada 2013 presentó un estilo de caja similar a la próxima Xbox One eliminó un puerto USB SPDIF YPBPR Componente Svideo Connections de otra manera compartida Especificaciones compartidas Xbox 360 S

El Xbox One lanzado el 22 de noviembre de 2013 Sucesor de América del Norte Xbox 360 La Xbox One compete Sonys PlayStation 4 Nintendos Wii U Switch Parte de octava generación Consolas de videojuegos de la generación Cuenta con AMD Unidad de procesamiento acelerada APU construido alrededor de 64 bits X8664 Conjunto de instrucciones Venga de 12 GB de memoria de 12 GB construido 12 GB

Anunciado el 21 de mayo de 201328 Xbox One énfasis Características basadas en Internet que incluye la habilidad de registro de la capacidad de la habilidad de juego Integrar el cuadro Settop Watch Cable Satellite Console Guía mejorada Interfaz de voz basada en Kinect Based29303132

A continuación, la presentación de Xbox One demostró controvertidas prácticas de privacidad de administración de derechos digitales originales de Microsoft, la capacidad promocionada de los usuarios accede a los juegos de la biblioteca, independientemente de si la consola de Xbox One de Xbox One comprada físicamente sin necesidad de la capacidad de los discos Compartir una biblioteca entera 10 Los juegos de familiares designados serían usuarios de los usuarios Xbox Live Cuenta de Xbox One Console Console requerido conectar la base periódica de Internet menos cada 24 horas La biblioteca de sincronización más que la consola no pudo jugar juegos all3334 después de una respuesta

ta abrumadoramente negativa, los críticos que los consumidores también mostraron inquietudes del sistema podrían evitar que los juegos usados de reventa de Hinder Microsoft anunciaron que las restricciones disminuirían 35 Microsoft también criticó que requirió que la función de cinta periférica de Xbox One sea actualizada requiriera Xbox One. Los defensores de la privacidad de los críticos creían que podría utilizar el dispositivo de vigilancia como gesto para mostrar el compromiso de la privacidad del usuario que Microsoft decidió permitir la función de la consola sin Kinect363738

El 13 de junio de 2016, Microsoft anunció que Xbox One S E3 2016 presentó un factor de forma más pequeño, admite un video 4K, incluyendo la transmisión de Ultra HD Blu-ray HDR39 en E3 2017 Microsoft presentó Xbox One X Highend Modelo mejorado Hardware Diseñado Facilitar Juegos 4K Resolución 40

Desde noviembre de 2014, Microsoft declaró los números de ventas de lanzamiento Xbox One Line41 El jefe de Xbox Phil Spencer dijo que las cifras de ventas internas desean que los desarrolladores se centran en los números de los productos de los productos, por lo tanto, el hardware de ventas de ventas de ventas en el futuro 42 en julio de 2023 Microsoft reveló que Xbox One Line vendió 58 millones de unidades2

Los modelos Xbox de cuarta generación simplemente llamados Xbox43 incluyen Xbox Series X Xbox Series S lanzado el 10 de noviembre 2020 Ambos considerados consolas de videojuegos de noveno generación junto con PlayStation 5 también lanzó un mes como Xbox One Consols Use AMD 64bit x8664 CPU GPU 16 GB Memoria GB

Las versiones de Highend Lowend de Xbox Series X Highend VERSIONES comparables Xbox One X Xbox One S Modelos, respectivamente, los Juegos diseñaron modelos Family Family Systems, la serie X de Xbox X estimó cuatro veces potente Xbox One X soporte 8K Resolución 120 Framespersecond Rendering Nominal objetivo 4K Resolución 60 Frames por segundo el Serie X de Xbox S Digitalonly Unidad Menos Potencia de procesamiento gráfico a un renderizado Nominal 1440p Resolución 60 cuadros por segundo Soporte 4K Upscaling Ambas consolas Características admite nuevos sistemas de renderizado de gráficos, incluidos los juegos de rayos en tiempo real, la nueva velocidad de la velocidad de la Xbox funciona Nuevas consolas consolas familiares totalmente compatibles Games Xbox One Hardware Bien retroceso Juegos Compatibles Playable Xbox One Xbox 360 Original Xbox Console44

Para ayudar a la transición, los consumidores Microsoft introdujeron el sistema de entrega inteligente FirstParty Games Varios juegos de tercera parte de la tercera parte de las actualizaciones gratuitas de Xbox One Games Xbox Series XS Versión de los primeros años Lanzamiento4546

La siguiente tabla comparación de hardware de Xbox de cuatro generaciones

Juego más vendido sin problemas Grand Theft Auto V 2295 Million51

Ver accesorios de Xbox 360

Ver accesorios de Xbox One

Ver accesorios de Xbox One

Varias resoluciones de monitor disponibles a través de VGA HdmiDvi 640480 848480 1024768 1280720 1280768 12801024 1360768 1440900 16801050 19201080

Los juegos de la variedad de variedad de consola, la mayoría de los juegos, lanzan Xbox original, compatible con compatibilidad con el sucesor Xbox 360 Backward Compatibility Xbox 360 Títulos agregados Xbox One Yearandahalf Lanzamiento de junio de 2015 Títulos específicos que requieren Kinect USB Los periféricos admitieron el Xbox Series XS admite la compatibilidad de los títulos de Xbox ONE de Backward, excepto los juegos Kinectricied Well Xbox Xbox Xbox. 360 títulos originales de Xbox disponibles Xbox O

ne

Juegos que usan Xbox Xbox Live Brands también lanzaron Microsoft Windows Windows Phone Android IOS Devices Games Xbox Games también jugados usando Xbox Cloud Gaming Streaming Service

Microsoft usó el modelo Razor Blades Vender consolas familiares de Xbox vendiendo costos de fabricación de precios de la consola.

Xbox Network anteriormente conocido Xbox Live Servicio en línea 65 millones de usuarios en todo el mundo de julio de 2016 Comprende en línea el mercado virtual de los juegos de Xbox Games permite la compra de juegos de descarga de varios formularios Multimedia en línea Gaming Xbox Primero iniciado el 15 de noviembre de 2002 en todo el mundo El servicio continúa jugadores jugadores jugadores jugadores jugadores jugadores jugadores jugadores

Microsoft Store Online Marketplace hizo consolas de la serie Xbox X de Microsofts Xbox One Consolas The Marketplace Buy Games Apps Películas, etc. Descarga digital

La consola Xbox 360 usa el cliente anterior de la tienda de juegos Xbox

La aplicación de la aplicación Xbox Companion disponible Windows 8 Windows 10 Windows 11 Windows 11 IOS Android Versión 4.0 Above 63 Windows Server 2012 Anunció Microsoft E3 2012 lanzado el 26 de octubre de 2012 Coincidió Release Windows 8.64 Connect Console permite el entretenimiento interactivo que permite que los dispositivos móviles sirvan potencialmente las segundas pantallas controlador remoto controlador

Xbox Game Pass Cloud Gaming 65 Codenamed Xcloud Development Microsofts Servicio de transmisión de juegos en la nube de Xbox

En 2019, Microsoft lanzó el filtrado de contenido, deje de jurar toxicidad en el juego o en línea, el servicio permite a los jugadores informar mensajes de gamtags fotos tóxicas contenido plataforma 66

Servicio de suscripción de Xbox Game Pass Microsoft Utilice Xbox One Serie Xbox XS Windows 10 Windows 11 The Xbox Game Pass otorga a los usuarios de los usuarios de acceso a los juegos Catálogos Rango de editoriales Monthly Subscription El servicio lanzado el 1 de junio de 2017

Xbox Wire Xboxs Blog lanzó Microsoft May 2013 Anuncio de preparación Xbox One 67 TI Microsofts Primer blog de Xbox Centus desde que cerró Gamerscore a principios de 2009 68 en marzo de 2022 Japanese Language Version Sitio publicado por parte Microsofts Focus Japanese Gaming Market 69

La interfaz principal de la interfaz de cuatro generaciones Xbox Xbox Dashboard permite a los usuarios administrar la configuración del sistema de acceso a los medios de juego de la consola almacenados desde 2002 Dashboard Integrated Xbox Xbox Network proporciona la funcionalidad en línea Opciones de almacén de la tienda de los sistemas operativos Las plataformas Xbox Versiones muy modificadas Windows NT Sistema operativo original Xbox Xbox 360 System System SoftWares Based Windows Windows Windows Windows System System System System Windows System Windows 2000 Último software del sistema Sistema Xbox One Xbox Series XS Basado en Windows 11 Admite aplicaciones UWP de la plataforma Windows Universal

En mayo de 2020, la aplicación de versión de vista previa presentada por Xbox permite a los padres guardianes establecer límites diarios del tiempo de juego para niños proporciona informes de actividad semanales filtros de juegos agerestregados Límites Comunicación en línea Este intento de Microsoft Xboxs propietario promociona un mensaje responsable de juego 70

Liberado 2001 Pad, la almohadilla de control de Xbox, el primer controlador original, la xbox original, el controlador Xbox presenta dos palos analógicos presionados almohadilla direccional sensible dos disparadores analógicos botón de inicio del botón de inicio Dos ranuras de accesorios seis botones de acción analógica de 8 bits concorden xblue yyellowk black blancos botones 71 El controlador de xbox original apodado fatty 72 más tarde duque73 Controlador inicialmente los territorios de los sistemas Xbox de Xbox, excepto Japón, recibió el controlador compacto llamado Controlador S El controlador S más tarde realizado estándar incluidos Territorios del controlador

Lanzado el controlador Xbox 360 2005 Xbox 360 Sucedió Predecesor Un controlador de Xbox 360 estándar presenta a once botones digitales Dos desencadenantes analógicos Dos palitos analógicos Dpad digital El controlador de cara derecha presenta cuatro botones digitales de acción verde A botón rojo B Botón Blue X Botón Y Botón Y Botón Y Botón Y Botón Y Botón Y más bajo Casas Stick analógico derecha Digital inferior Digad Dpad Face izquierdo Stick analógico izquierdo Ambas barras analógicas también Haga clic en Activar botón digital debajo del controlador central Costa Digital Inicio Botones de guía del botón Guía Logotipo Xbox Xbox Usado Turn Consolecontroller Guía de acceso Menú Si también rodea la luz de anillo de la anillo indica el controlador del controlador del controlador. Número bien intermitente Conexión Proporcione notificaciones Los hombros derecha izquierdo cuentan con disparador analógico de parachoques de hombro digital

El controlador revisado de la consola de Xbox One Cuarenta mejoras Controlador 360s Este nuevo controlador construido en el trabajo Kinect Los botones de inicio reemplaza dos Botones de vista de menú Se impulsa desencadenantes Reemplazar los desencadenantes regulares El botón Xbox todavía trae las minigame -versiones recientes del tablero, aunque las iteraciones anteriores trajeron un menú principal del tablero, dejando un juego sin interrupciones sin interrupciones.

El controlador Xbox de cuarta generación no cambia mucho el controlador Xbox One Nuevo controlador de Xbox inalámbrico Agregar Captura Botón Compartir Hybrid DPAD Alejes de agarre Betting Bothers74 El controlador también prometió compatibles con compatibilidad con ciertos dispositivos móviles de PCS Cross75

El controlador adaptativo de Xbox Controlador especial diseñada de accesibilidad de los reproductores además de controladores típicos físicamente más grandes incluye puertos adicionales que permiten dispositivos Connected Mapped Controller Function

Kinect Estilizado Kinect Motion Sensing Entrada de entrada Microsoft Xbox 360 Console de videojuegos Windows PCS basadas en la consola de Xbox 360 periférica Xbox 360 de Camstyle WebCamstyle permite a los usuarios controlar interactuar Xbox 360 sin necesidad de controlador de juego de juego Touch utilizando comandos hablados de gestos76 El proyecto amplió la audiencia de Xbox 360 más allá de la audiencia más allá de típico típico Gamer Base77 Kinect compete Wii Remote Plus PlayStation Move PlayStation Eye Motion Controllers Wii PlayStation 3 Home Consoles respectivamente una versión de Windows lanzada el 1 de febrero de 201278

Kinect launched North America November 4 201079 Europe November 10 201080 Australia New Zealand Singapore November 18 2010818283 Japan November 20 201084 Purchase options sensor peripheral include bundle game Kinect Adventures console bundles either 4 GB85 8687 250 GB88 Xbox 360 console Kinect Adventures85868788

El Kinect afirmó que Guinness World Records más rápido vende dispositivos electrónicos de consumo que vende un total de 8 millones de unidades primero 60 días 899091 24 millones de unidades Sensor Kinect enviado enero 201250

Microsoft lanzó Kinect Software Development Kit Windows 7 de junio 16 de 2011929394 Este SDK significaba permitir que los desarrolladores escriban aplicaciones Kinecting Ccli C Visual Basic Net9596

Información adicional Xbox One Kinect lanzada el 6 de junio de 2013, incluida la información, el giro siempre característica⁹⁷

Aunque con el rendimiento mejorado, el rendimiento mejorado Xbox 360 Kinect Sucesor Xbox One Kinect Kinect Respuestas mixtas Elogió WideAngle Tiempo de respuesta rápida Cámara de alta calidad sin embargo, la incapacidad de Kinects entiende los acentos en inglés criticado además controversias rodeando el sensor de atado intencional de Microsofts Xbox One Console a pesar de los tiempos de sensor iniciales enchufados revisados desde el anuncio inicial del anuncio inicial revisado desde el anuncio inicial revisado desde el anuncio inicial revisado desde el anuncio inicial. También hay preocupaciones numéricas con respecto a la privacidad

Cuando Xbox Live Online Service lanzó el auricular Xbox Communicator de Xbox incluyó Kit⁹⁸ Live Starter Kit⁹⁸, el módulo de interfaz de auriculares con auriculares con el nombre de voz habilitado para el comunicador. TRS Audio Jack Entrada monoaural Salida compatible con auriculares de teléfono celular

Controladores Xbox 360 presentados Monoaural Builtin 25 mm TRS Jack También auriculares de teléfono celular estándar compatible que permiten a los jugadores reutilizar el chat de Xbox Communicator Chat Xbox en vivo sin una interfaz de interfaz separada¹⁰⁰ El paquete de consola premium incluyó Xbox 360 auriculares Live Communicator Cosmetic s Gray White Cosmeting Console también disponible por separado de 101 auricular con conexión con conexión con conexión con conexión a la luz de 101 Wired Wired Wired Wire d. Audio Jack Controlador de fondo Controlador ancho incluidos controles de volumen de e mudo Un auricular Xbox 360 actualizado lanzado 2010 Black Cosmetics Bundled Xbox 360 S Auriculares revisados Controles de mutevolume movido Posición en línea a lo largo del cable

Microsoft también anunció el accesorio de auriculares inalámbricos de los auriculares FirstParty FirstParty Diseñó la consola Xbox 360 Noviembre 2005 Ediciones especiales Auriculares inalámbricos Azadas de colores lanzados Halo 3 GreenOrange Septiembre 2007¹⁰² Xbox 360 S Black 2010 Halo Reach Silver Septiembre 2010³ Se reemplazó Xbox 360 A zal inhalado Wireless Bluetooth 2011 podría usarse usado podría usarse usado usado usado usado utilizado usarse usado podría usarse usado podría usarse podría usarse podría usar Consola con el teléfono de protocolo inalámbrico Xbox con Bluetooth¹⁰⁴

El modelo de controlador inalámbrico Xbox One de revisión inicial también incluyó auriculares de teléfono celular estándar de Jack monoaural de 25 mm de 25 mm auriculares Microsoft Bundled Xbox One Chat Auricles Inicio de inicio 2013 Auriculares de interfaz de interfaz de interfaz de interfaz Cable Auriculares a principios de marzo de 2014, el adaptador de auricular estéreo inclinado, los reproductores permiten escuchar el juego de audio en el juego de audio combinado simultáneamente el adaptador controladores conectados de la expansión del auricular auricular el adaptador conectado adaptador de 35 mm enchufes anteriores a los auriculares anteriores de Xbox xbox 360 Limited Voice Chat solo¹⁰⁶ A Whitecoled EDITION EDITIVO ESPECIAL Modelo 1697 reemplazado Jack 35 mm Jack¹⁰⁸

Un nuevo auricular inalámbrico de Xbox introducido en febrero de 2021 Utilice las computadoras Xbox One Xbox Series XS Windows Windows El auricular de la superficie externa Control giratorio de la auricular derecha Controles del volumen general Controles de la auricular izquierdo Gamechat Level¹⁰⁹ Equipado de Xbox Bluetooth Radios inalámbricos podría conectar Simultously¹¹⁰ A Correspondiente Avalor de Xbox omitidos Starero Steréro Las conexiones inalámbricas favorecen el enchufe estándar de 35 mm también omitite el dial de control de mezcla de gamechat introducido en agosto de 2021 precio reducido¹¹¹

En 2016, Microsoft anunció que celebraría Fanfest de Xbox en su lugar, la conferencia de prensa Gamescom Convención anual de videojuegos europeos¹¹² Microsoft celebró a Xbox fanfest Sydney Septiembre 2011¹¹³

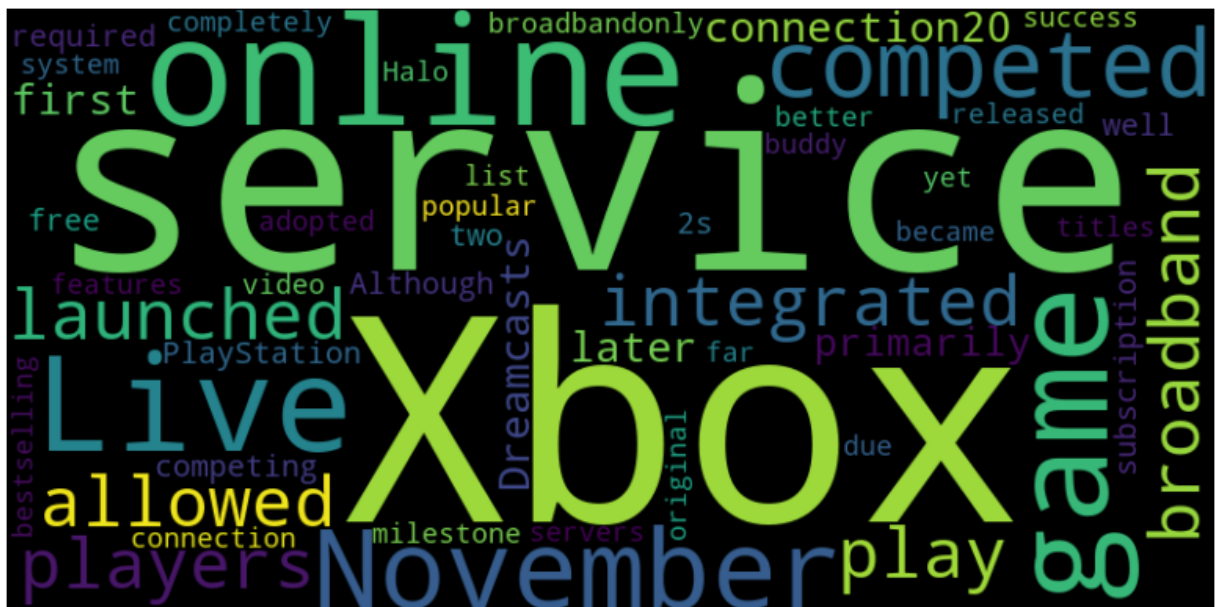
Microsoft celebró la transmisión de celebración del vigésimo aniversario Xbox 15 de noviembre de 2021 durante el documental anunciado Behind History Xbox titulado Power on the Story Xbox El documental lanzó seis partes a partir del 13 de diciembre de 2021 114 El documental Daytime Emmy Award Edición de cámara única sobresaliente115

Visualize

```
In [22]: import matplotlib.pyplot as plt
from wordcloud import WordCloud

# Generate a word cloud
wordcloud = WordCloud(width=800, height=400, background_color="black").generate(my_ser

# Display the word cloud using matplotlib
plt.figure(figsize=(10, 5))
plt.imshow(wordcloud, interpolation="bilinear")
plt.axis("off")
plt.show()
```



```
In [23]: import spacy
nlp = spacy.load('en_core_web_sm')
# Import the displaCy library
from spacy import displacy
```

```
In [24]: doc = nlp(my_sentence)
displacy.render(doc, style='ent', jupyter=True)
```

The integrated Xbox Live **ORG** service launched November 2002 **DATE** allowed players play games online broadband connection20 It **PERSON** first **ORDINAL** competed Dreamcasts **NORP** online service later primarily competed PlayStation 2s **PRODUCT** online service Although two **CARDINAL** competing services free Xbox Live **PRODUCT** required subscription well broadbandonly connection completely adopted yet Xbox Live **PRODUCT** success due better servers features buddy list milestone titles Halo 2 **ORG** released November 2004 **DATE** became bestselling Xbox **ORG** video game far popular online game original Xbox **PRODUCT** system

POS

```
In [25]: words = word_tokenize(my_sentence)
```

```
In [26]: nltk.pos_tag(words)
```

```
Out[26]: [('The', 'DT'),
('integrated', 'JJ'),
('Xbox', 'NNP'),
('Live', 'NNP'),
('service', 'NN'),
('launched', 'VBD'),
('November', 'NNP'),
('2002', 'CD'),
('allowed', 'VBD'),
('players', 'NNS'),
('play', 'VBP'),
('games', 'NNS'),
('online', 'JJ'),
('broadband', 'NN'),
('connection20', 'NN'),
('It', 'PRP'),
('first', 'RB'),
('competed', 'VBD'),
('Dreamcasts', 'NNP'),
('online', 'NN'),
('service', 'NN'),
('later', 'RB'),
('primarily', 'RB'),
('competed', 'VBN'),
('PlayStation', 'NNP'),
('2s', 'CD'),
('online', 'NN'),
('service', 'NN'),
('Although', 'IN'),
('two', 'CD'),
('competing', 'VBG'),
('services', 'NNS'),
('free', 'JJ'),
('Xbox', 'NNP'),
('Live', 'NNP'),
('required', 'VBN'),
('subscription', 'NN'),
('well', 'RB'),
('broadbandonly', 'RB'),
('connection', 'NN'),
('completely', 'RB'),
('adopted', 'VBN'),
('yet', 'RB'),
('Xbox', 'NNP'),
('Live', 'NNP'),
('success', 'NN'),
('due', 'JJ'),
('better', 'JJR'),
('servers', 'NNS'),
('features', 'NNS'),
('buddy', 'VBP'),
('list', 'NN'),
('milestone', 'NN'),
('titles', 'VBZ'),
('Halo', 'NNP'),
('2', 'CD'),
('released', 'VBN'),
('November', 'NNP'),
('2004', 'CD'),
('became', 'VBD'),
```

```

('bestselling', 'VBG'),
('Xbox', 'NNP'),
('video', 'NN'),
('game', 'NN'),
('far', 'RB'),
('popular', 'JJ'),
('online', 'JJ'),
('game', 'NN'),
('original', 'JJ'),
('Xbox', 'NNP'),
('system', 'NN')]

```

```

In [27]: #Import required libraries :
from nltk.probability import FreqDist
#Find the frequency :
fdist = FreqDist(words)

```

```

In [28]: #Print 10 most common words :
fdist.most_common(5)

```

```

Out[28]: [('Xbox', 5), ('online', 4), ('Live', 3), ('service', 3), ('November', 2)]

```

```

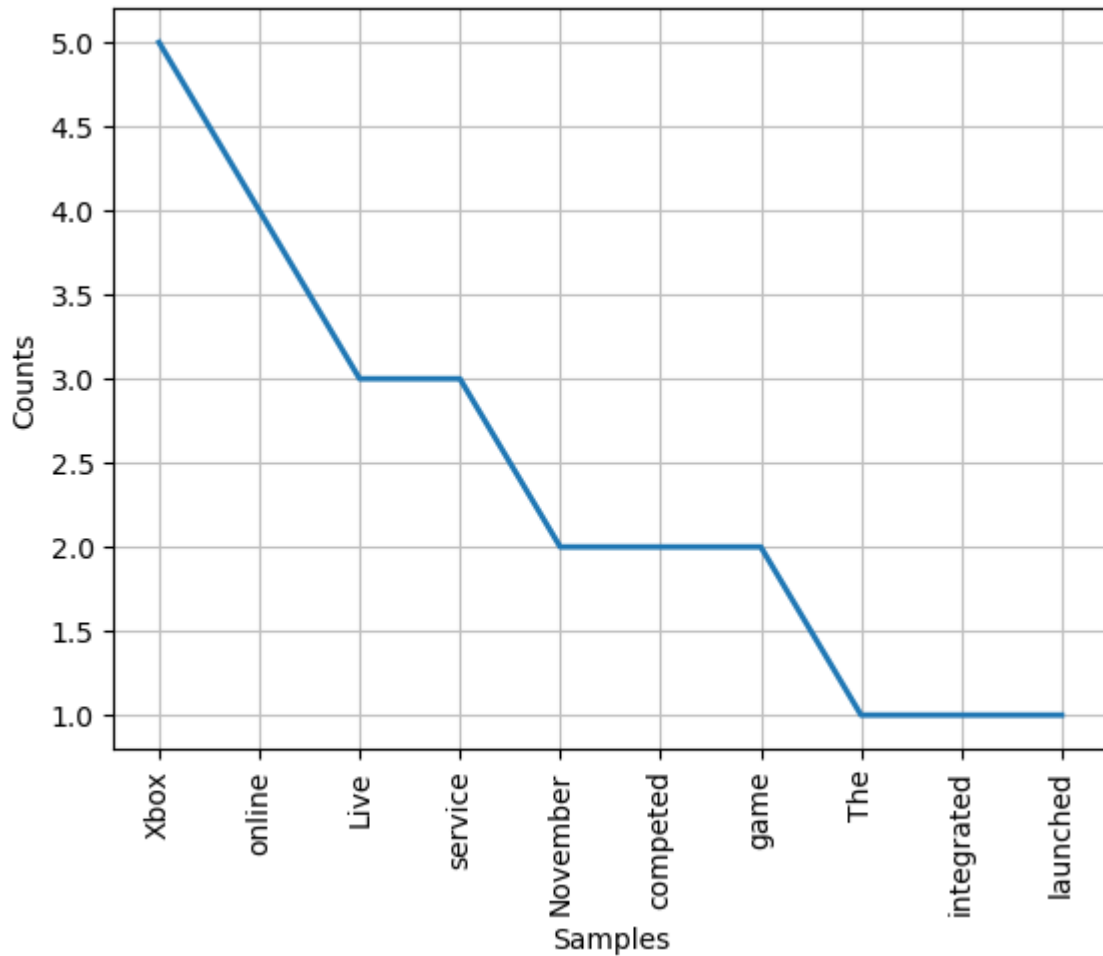
In [29]: #Plot the graph for fdist :
%matplotlib inline

```

```

In [30]: fdist.plot(10)

```



Out[30]: <AxesSubplot:xlabel='Samples', ylabel='Counts'>

```
In [31]: colors = {'ORG': 'linear-gradient(90deg, #aa9cfc, #fc9ce7)', 'PRODUCT': 'radial-gradient(circle, #aa9cfc, #fc9ce7)'}
options = {'ents': ['ORG'], 'colors': colors}
displacy.render(doc, style='ent', jupyter=True, options=options)
```

The integrated Xbox Live ORG service launched November 2002 allowed players play games online broadband connection20 It first competed Dreamcasts online service later primarily competed PlayStation 2s online service Although two competing services free Xbox Live required subscription well broadbandonly connection completely adopted yet Xbox Live success due better servers features buddy list milestone titles Halo 2 ORG released November 2004 became bestselling Xbox ORG video game far popular online game original Xbox system

In []: