

```
!pip install langchain
```

```
!pip install langchain_community
```

```
!pip install langchain.document_loaders
```

```
ERROR: Could not find a version that satisfies the requirement langchain.document_loaders (from versions: none)
ERROR: No matching distribution found for langchain.document_loaders
```

```
from langchain.document_loaders import UnstructuredURLLoader
```

```
urls = [
    'https://www.livemint.com/economy/budget-2024-key-highlights-live-updates-nirmala-sitharaman-infrastructure-defence-income-tax-modi-b',
    'https://cleartax.in/s/budget-2024-highlights',
    'https://www.hindustantimes.com/budget',
    'https://economictimes.indiatimes.com/news/economy/policy/budget-2024-highlights-india-nirmala-sitharaman-capex-fiscal-deficit-tax-sl'
]
```

```
!pip install unstructured
import unstructured
from unstructured.__version__ import __version__ as __unstructured_version__
```

```
loader = UnstructuredURLLoader(urls=urls)
data = loader.load()
data
```

[Document(metadata={'source': 'https://www.livemint.com/economy/budget-2024-key-highlights-live-updates-nirmala-sitharaman-infrastructure-defence-income-tax-modi-budget-23-july-11721654502862.html'}, page\_content='Explore\n\nSign in\n\nne-paper  
Subscribe Sign In\n\n\nSunday, 12 January 2025\n\n\nGainers & Losers\n\n\nTata Consultancy Services share price\n\n\n4,265.555.67%\n\n\nTech Mahindra share price\n\n\n1,703.003.63%\n\n\nHCL Technologies share price\n\n\n1,995.603.13%\n\n\nWipro share price\n\n\n300.602.89%\n\n\nInfosys share price\n\n\n1,966.702.55%\n\n\nIndusind Bank share price\n\n\n937.60-4.41%\n\n\nNTPC share price\n\n\n308.20-3.78%\n\n\nUltratech Cement share price\n\n\n10,866.20-3.57%\n\n\nState Bank Of India share price\n\n\n743.15-2.26%\n\n\nSun Pharmaceutical Industries share price\n\n\n1,785.00-2.25%\n\n\nActive Stocks\n\n\nFri Jan 10 2025 15:52:09\n\n\nTata Steel share price\n\n\n127.40 -1.89%\n\n\nWipro share price\n\n\n300.60 2.89%\n\n\nHDFC Bank share price\n\n\n1,657.15 -0.64%\n\n\nPower Grid Corporation Of India share price\n\n\n299.80 -1.80%\n\n\nTata Motors share price\n\n\n774.45 -0.72%\n\n\nBusiness News/ Economy / Budget 2024 Key Highlights: New tax slabs in effect, fiscal deficit projected to reduce in FY2025\n\n\nBack\n\n\nShare Via\n\n\nBudget 2024 Key Highlights: New tax slabs in effect, fiscal deficit projected to reduce in FY2025\n\n\n48 min read . Updated: 25 Jul 2024, 08:43 AM IST\n\n\nLivemint, Written By Ankit Gohel, Anubhav Mukherjee, Shivangini\n\n\nBudget 2024 Key Highlights: Finance Minister Nirmala Sitharaman presented the Union Budget 2024-25 in the Lok Sabha today. FM listed out roadmap for nine priorities for India opportunity.\n\n\nRead Full Story\n\n\nBudget 2024 Key Highlights: Finance Minister Nirmala Sitharaman announced the Union Budget 2024-25 in the parliament on July 23. The Budget focused on provisioning for the agricultural sector, the introduction of schemes related to employment, loan schemes, announcements for financial support to the MSME sector, infrastructural development, and fiscal deficit projection at 4.9% with a commitment to reducing it down to 4.5%.\n\n\nThe government cut customs duties at the same time making changes in the capital gain taxes for the financial year. The "Taxation budget" comes in the form of a revision in tax slabs under the new tax policy. Stay tuned to our Budget 2024 key Highlights live blog for the latest updates. Read the latest news on Budget 2024 with our live coverage on the Income Tax Slab, Impact on Share Market, Budget Key Highlights, and Corporate Reactions.\n\n\n25 Jul 2024, 08:43:33 AM IST\n\n\nAction-Packed Budget Session Ends with Minimal Change, says Rajesh Bhosale, Equity Technical Analyst, Angel One\n\n\nRajesh Bhosale, Equity Technical Analyst, Angel One, said, "On the key Budget day, the Benchmark Index began on a positive note. However, as the day progressed, prices traded cautiously within a range, influenced by the Budget announcement. In the second half, volatility spiked, causing prices to drop sharply below 24100. Despite this, prices quickly rebounded, reclaiming lost ground and ending just below 24500 with a marginal loss of 0.14%." "It was an intriguing trading session. Key events like the Budget often set the tone for future trends, but today, the closing did not show significant changes. The impact of such events can sometimes be seen in the following sessions, making the next few days crucial. Observing the daily chart, the market shows a defined range. The upper end, marked by a bearish engulfing pattern formed on Friday at 24850, serves as a key resistance, followed by the psychological level of 25000. On the downside, the panic low around the 20EMA at 24100 - 24000 acts as a strong support zone. In our previous outlook, we highlighted the fresh sell signal by the RSI Smoothed in the overbought zone, which remains a key observation for our firm cautious stance. However, recent observations indicate that the bulls are very resilient and hard to give up. We expect the Index to hover within the 24000 - 25000 range and anticipate trending moves after some consolidation. In this scenario, it is advisable to consider entering long positions near the lower end of the range and booking profits at the mentioned resistance levels." "With our markets now past key domestic events, it is crucial to shift our focus back to global events and monitor counters with upcoming earnings declarations. Additionally, we should watch for those likely to benefit from the budget." "24 Jul 2024, 10:25:12 PM IST\n\n\nBudget 2024 Key Highlights Live Updates: Navneet Nagpal, Principal Consultant and Director, Spectra Hospitality Services, said\n\n\nBudget 2024 Key Highlights Live Updates: "The Budget 2024's focus on developing new religious circuits is a significant step forward for the hospitality sector. The Finance Minister's plan to replicate the Kashi Vishwanath corridor model in Gaya's Vishnupad Temple and Mahabodhi Temple in Bodhgaya is expected to transform these spiritually important sites into world-class tourist destinations. This initiative, alongside the comprehensive development plans for Rajgir and Nalanda and the support for Odisha's diverse attractions, reflects a visionary approach to tourism. Promoting these regions will not only enhance India's cultural heritage but also drive substantial economic growth. The expected increase in tourism will create numerous jobs and stimulate growth in the hospitality, infrastructure, technology, and local craft sectors. This holistic strategy positions India as a leading global destination, highlighting its rich cultural legacy while promoting sustainable economic development." "24 Jul 2024, 09:45:48 PM IST\n\n\nBudget 2024 Key Highlights Live Updates: Rohan Bhargava, Co-Founder of CashKaro, said\n\n\nBudget 2024 Key Highlights Live Updates: "The Union Budget 2024 brings substantial changes to personal finance that will benefit a large number of taxpayers. The increase in the standard deduction from ₹50,000 to ₹75,000 and the revision of the tax slab limit for the 5% tax rate from ₹5 lakh to ₹7 lakh will significantly enhance disposable income. These changes will provide much-needed financial relief to the middle class and boost overall consumption. Furthermore, the proposal to increase the deduction of employer expenditure towards NPS from 10% to 14% of the employee's salary will improve social security benefits for the workforce. The revamp of the capital gains tax regime will impact investment decisions and financial planning, ensuring a more balanced and fair approach to taxation. These measures collectively contribute to a more robust and financially secure environment for individuals and families across India." "24 Jul 2024, 08:43:19 PM IST\n\n\nBudget 2024 Key Highlights Live Updates: MP Ahammed, Chairman, Malabar Group, said\n\n\nBudget 2024 Key Highlights Live Updates: "The budget proposal to reduce the import duty on gold to 6 percent is a highly commendable move by Finance Minister Nirmala Sitharaman. Currently, imported gold is subjected to a hefty 15 percent duty, including the agriculture

infrastructure development cess. The bold decision to slash this duty to 6 percent for gold and silver, and 6.4 percent for

```
print(len(data))
```

↗ 4

```
!pip install langchain_text_splitter
```

↗ ERROR: Could not find a version that satisfies the requirement langchain\_text\_splitter (from versions: none)  
ERROR: No matching distribution found for langchain\_text\_splitter

```
from langchain.text_splitter import RecursiveCharacterTextSplitter
text_splitter = RecursiveCharacterTextSplitter(chunk_size=1000)
docs = text_splitter.split_documents(data)
print(len(docs))
```

↗ 171

```
docs[7]
```

↗ Document(metadata={'source': 'https://www.livemint.com/economy/budget-2024-key-highlights-live-updates-nirmala-sitharaman-infrastructure-defence-income-tax-modi-budget-23-july-11721654502862.html'}, page\_content='This initiative, alongside the comprehensive development plans for Rajgir and Nalanda and the support for Odisha's diverse attractions, reflects a visionary approach to tourism. Promoting these regions will not only enhance India's cultural heritage but also drive substantial economic growth. The expected increase in tourism will create numerous jobs and stimulate growth in the hospitality, infrastructure, technology, and local craft sectors.\n\nThis holistic strategy positions India as a leading global destination, highlighting its rich cultural legacy while promoting sustainable economic development.'\n\n24 Jul 2024, 09:45:48 PM IST\n\nBudget 2024 Key Highlights Live Updates: Rohan Bhargava, Co-Founder of CashKaro, said')

```
from langchain_community.embeddings import HuggingFaceBgeEmbeddings
```

```
embeddings=HuggingFaceBgeEmbeddings()
```

↗ <ipython-input-26-e479ee5f2d4d>:1: LangChainDeprecationWarning: The class `HuggingFaceBgeEmbeddings` was deprecated in LangChain 0.1 embeddings=HuggingFaceBgeEmbeddings()  
<ipython-input-26-e479ee5f2d4d>:1: LangChainDeprecationWarning: Default values for HuggingFaceBgeEmbeddings.model\_name were deprecated embeddings=HuggingFaceBgeEmbeddings()  
/usr/local/lib/python3.10/dist-packages/huggingface\_hub/utils/\_auth.py:94: UserWarning:  
The secret `HF\_TOKEN` does not exist in your Colab secrets.  
To authenticate with the Hugging Face Hub, create a token in your settings tab (<https://huggingface.co/settings/tokens>), set it as :  
You will be able to reuse this secret in all of your notebooks.  
Please note that authentication is recommended but still optional to access public models or datasets.  
warnings.warn(  
modules.json: 100% 349/349 [00:00<00:00, 19.1kB/s]  
config\_sentence\_transformers.json: 100% 124/124 [00:00<00:00, 7.31kB/s]  
README.md: 100% 90.3k/90.3k [00:00<00:00, 2.05MB/s]  
sentence\_bert\_config.json: 100% 52.0/52.0 [00:00<00:00, 2.89kB/s]  
config.json: 100% 720/720 [00:00<00:00, 30.3kB/s]  
model.safetensors: 100% 1.34G/1.34G [00:13<00:00, 80.2MB/s]  
tokenizer\_config.json: 100% 366/366 [00:00<00:00, 10.2kB/s]  
vocab.txt: 100% 232k/232k [00:00<00:00, 2.66MB/s]  
tokenizer.json: 100% 711k/711k [00:00<00:00, 1.91MB/s]  
special\_tokens\_map.json: 100% 125/125 [00:00<00:00, 5.49kB/s]  
1\_Pooling/config.json: 100% 191/191 [00:00<00:00, 3.91kB/s]


```
vector=embeddings.embed_query("Hello how are you")
vector[:5]
```

↗ [0.03370610624551773,  
-0.0018520999001339078,  
-0.015473934821784496,  
0.020707782357931137,  
-0.0342722125351429]

```
!pip install langchain_chroma
```

```
from langchain_chroma import Chroma
```

```
vectorstore=Chroma.from_documents(documents=docs,embedding=HuggingFaceBgeEmbeddings())
```


 <ipython-input-31-82b53efb4a03>:1: LangChainDeprecationWarning: Default values for HuggingFaceBgeEmbeddings.model\_name were deprecated in favor of HuggingFaceBgeEmbeddings.model\_name\_or\_path. This warning is deprecated in favor of HuggingFaceBgeEmbeddings.model\_name\_or\_path.

```
from re import search
retriever =vectorstore.as_retriever(search_type="similarity",search_kwargs={"k":3})
retrieved_docs=retriever.invoke("Budget highlight")
```

```
len(retrieved_docs)
```

 3

```
print(retrieved_docs[2].page_content)
```

 24 Jul 2024, 04:33:49 PM IST

Budget 2024 Key Highlights Live Updates: Naveen Kukreja, Co-Founder and CEO, Paisabazaar, welcomes Government's move to include MSMEs in the list of eligible businesses for the MSMEs.

Budget 2024 Key Highlights Live Updates: "Budget 2024 has tried to provide some relief to the salaried taxpayers, especially those in the IT sector."

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