

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with faint, lighter blue diagonal stripes.

# Fundamentals of Using Generative AI



# How does it work

- Generative Adversarial Networks or GANs: Technologies capable of generating visual or multimedia outputs from both image and language inputs. (Dalle, MidJourney, Stable Diffusion)
- Transformer-based models: Technologies like Generative Pre-Trained (GPT) language models may leverage Internet-led data to generate textual material, such as website articles, press releases, and whitepapers. (ChatGPT)



# Use Cases of Generative AI

- Image generation for illustrations
- Image-to-photo conversion
- Image-to-image generation
- Text generation
- Coding

# Image Generation



3D render of a cute tropical fish in an aquarium on a dark blue background, digital art

[Try this example](#)



High quality photo of a monkey astronaut

[Try this example](#)



# Text Generation and Coding



can you write me a 300 word essay from the perspective of steve jobs about the launch of the iphone



As the co-founder and former CEO of Apple, the launch of the iPhone in 2007 was a defining moment in my career and for the company as a whole. It was the culmination of years of hard work and determination by the entire team at Apple, and it represented a major shift in the way people thought about and interacted with technology.

When we set out to create the iPhone, our goal was simple: to build a device that would revolutionize the way people communicate and access information. We knew that the key to achieving this goal was to create a device that was not only powerful and functional, but also beautiful and intuitive to use.

To accomplish this, we brought together some of the brightest minds in the tech industry, including designers, engineers, and developers. We worked tirelessly to perfect every aspect of the device, from the hardware to the software and everything in between. We were determined to create a product that would truly stand out in the market and change the way people thought about mobile devices.

The launch of the iPhone was a major event, and the response from the public was overwhelmingly positive. People were amazed by the device's sleek design and intuitive interface, and they quickly embraced its many features, including its high-resolution display, camera, and access to the internet. The iPhone quickly became a cultural phenomenon, and it set the standard for all future smartphones.

In the years since its launch, the iPhone has continued to evolve and improve, with new features and capabilities being added with each new iteration. But at its core, the iPhone remains true to its original vision: a device that is both powerful and beautiful, and that makes it easy for people to stay connected and access the information they need.

The launch of the iPhone was a defining moment not only for me but for the entire technology industry. It redefined what people expect from a smartphone and set the standard for future devices. It was the result of a collective effort and hard work, and I am proud to have been a part of it.

In conclusion, the iPhone launch was a remarkable event in the history of technology and it



can you write me code in python to parse addresses from a text file



Sure, here is an example of a Python script that can parse addresses from a text file:



```
python
Copy code

import re

# Open the file
with open('address_file.txt', 'r') as f:
    text = f.read()

# Use regular expressions to find addresses
address_pattern = r'\b\d{1,4} [\w\s]{1,20} (Street|St|Avenue|Ave|Road|Rd|Boulevard|Blvd)'
addresses = re.findall(address_pattern, text)

# Print the addresses
for address in addresses:
    print(address)
```

This script uses the `open()` function to open the file "address\_file.txt" in read mode. It then reads the contents of the file into a variable called `text`. The script uses the `re` module's `findall()` function to find all instances of addresses in the text using a regular expression pattern. The pattern matches addresses that include a number, 1-20 characters of street name, and the street type (Street, St, Avenue, Ave, Road, Rd, Boulevard, Blvd).

The script then iterates over the list of addresses that `findall()` returns and prints each one to the console.

It's important to notice that this regular expression pattern is not exhaustive and can be further improved depending on the format and source of the addresses in the text file.

Please also keep in mind that this is just a basic example and can be modified to suit your specific needs and requirements.