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## Exercise1:

### The Wonders of Space Exploration

#### The Beginning of Space Travel

The space age began on October 4, 1957, when the Soviet Union launched **Sputnik 1**, the first artificial satellite to orbit Earth. This historic event marked the beginning of humanity's journey beyond our planet. The United States responded with the creation of *NASA* in 1958, and the space race was officially underway. These early achievements laid the foundation for all future space exploration efforts.

#### The Moon Landing

Perhaps the most iconic moment in space exploration history was the Apollo 11 mission. On July 20, 1969, astronauts **Neil Armstrong** and **Buzz Aldrin** became the first humans to set foot on the lunar surface. Armstrong's famous words, "That's one small step for man, one giant leap for mankind," continue to inspire generations. The Apollo program continued until 1972, with a total of **12 astronauts** walking on the Moon.

#### The Space Shuttle Era

From 1981 to 2011, NASA's Space Shuttle program revolutionized space travel. These reusable spacecraft conducted <sup>135</sup> missions, deploying satellites, conducting scientific research, and helping to build the International Space Station. The program faced tragedy with the loss of *Challenger* in 1986 and *Columbia* in 2003, reminding us of the dangers inherent in space exploration. Despite these setbacks, the Space Shuttle program significantly advanced our understanding of living and working in space.

#### Modern Space Exploration

Today, space exploration has entered a new era with both government agencies and private companies pushing the boundaries. SpaceX, Blue Origin, and Virgin Galactic are making space more accessible than ever before. Meanwhile, rovers like **Perseverance** explore Mars, and probes like **Voyager 1** and **Voyager 2** continue their journey into interstellar space. The **JWST** now provides unprecedented views of distant galaxies, and plans for returning to the Moon and eventually traveling to Mars are well underway. The future of space exploration looks brighter than ever, with possibilities that were once confined to science fiction becoming reality.

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#### Modern Space Exploration

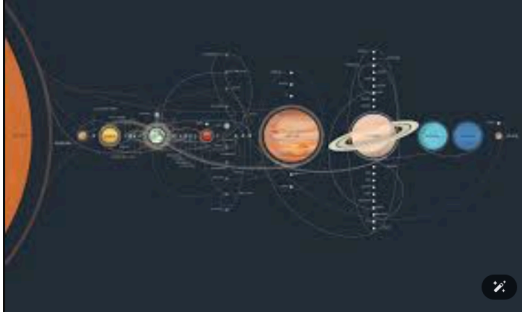
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#### The Benefits of Space Exploration

Space exploration has led to countless technological advancements that benefit our daily lives. From satellite communications to weather forecasting, from GPS navigation to medical imaging technologies, the ~~useless~~ **invaluable** spinoff technologies from space programs have transformed modern society. Beyond technology, space exploration inspires us to look beyond our differences and recognize our shared humanity on this pale blue dot we call home.

## Exercise2:

## The Wonders of Space Exploration



## The Beginning of Space Travel

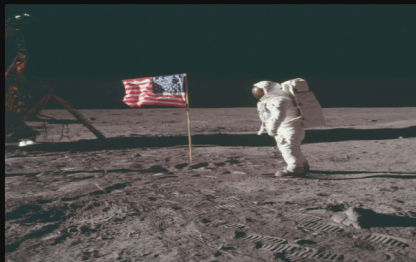
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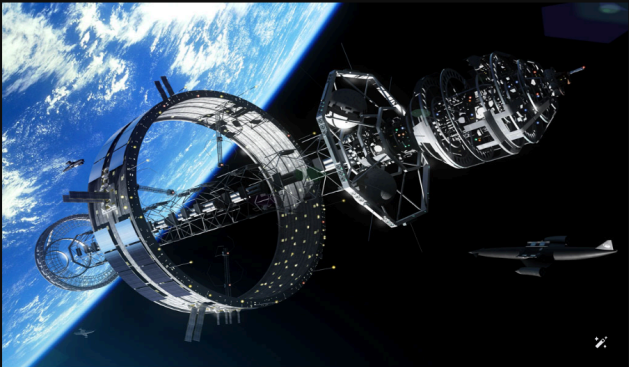
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Exercise3:

Physical Properties of Oxygen	
Property	Value
Symbol	O
Atomic number	8
Atomic mass	15.999 u
Melting point	-218.79°C (-361.82°F)
Boiling point	-182.96°C (-297.33°F)
Density (at STP)	1.429 g/L
Phase at room temperature	Gas
Color	Colorless (gas), pale blue (liquid)
Odor	Odorless
Magnetic ordering	Paramagnetic
Electronegativity	3.44 (Pauling scale)
Crystal structure	Cubic

Exercise4:

# The 10 Most Popular Programming Languages to Learn in 2022

1. **Python** - Average annual salary: \$120,000
2. **JavaScript** - Average annual salary: \$118,000
3. **Java** - Average annual salary: \$104,000
4. **C#** - Average annual salary: \$97,000
5. **C** - Average annual salary: \$97,000
6. **C++** - Average annual salary: \$97,000
7. **Go** - Average annual salary: \$93,000
8. **R** - Average annual salary: \$93,000
9. **Swift** - Average annual salary: \$93,000
10. **PHP** - Average annual salary: \$81,000

## Other Programming Languages to Consider

- Web-based startups prefer **Python** and **JavaScript**.
- Large companies develop internal applications using **C#** or **Java**.
- Web applications often use **PHP**.
- Data analytics programs use **R** and **MATLAB**.
- Embedded systems often use **C**, **C++**, or **Rust**.
- Cloud applications are written in **Go** or **Scala**.
- Mobile applications are often written in **Swift** or **Kotlin**.


Exercise5:

Programming Language Base on Career

Front-end Web Development	Back-end Web Development	Mobile Development
JavaScript	JavaScript	JavaScript
Elm	Scala	Java
TypeScript	Go	Objective C
	Ruby	Swift
	Python	

Top 10 Programming Languages in 2022


List of programming languages from Wikipedia



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List of programming languages

51 languages

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From Wikipedia, the free encyclopedia

This is an index to notable programming languages, in current or historical use. Dialects of BASIC, esoteric programming languages, and markup languages are not included. A programming language does not need to be imperative or Turing-complete, but must be executable and so does not include markup languages such as HTML or XML, but does include domain-specific languages such as SQL and its dialects.

Contents:

Programming language lists

- Alphabetical
- Categorical
- Chronological
- Generational

V · T · E

Appearance

hide

Text

☐ Small

☒ Standard

☐ Large

Width

☒ Standard

☐ Wide

iframe to Exercise4



## Iframe to Exercise4

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### Other Programming Languages to Consider

- Web-based startups prefer Python and JavaScript.
- Large companies develop internal applications using C# or Java.
- Web applications often use PHP.
- Data analytics programs use R and MATLAB.

Exercise6:

## Top 10 Programming Languages

Table of contents:

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- [PHP](#)

### Python

Python is ...

### JavaScript

JavaScript is ...

Go is ...

### R

R is ...

### Swift

Swift is ...

### PHP

PHP is ...

## Link Exercise

- [Go to Exercise-4](#)
- [Go to Exercise-5](#)
- [Go to URL](#)

Exercise7:

# Registration Form


NPM:

Full Name:

Email:

Password:

Place of Birth:

Birthdate:  

Gender: ☐ Male ☐ Female

Address:

Save

Clear

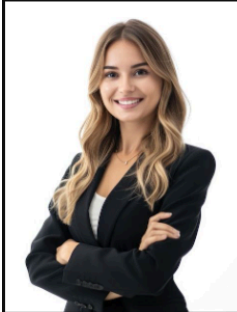
Exercise8:



[About Me](#) | [Projects](#) | [Contact](#)

## About Me

Hi! I'm a web developer passionate about building user-friendly websites.



## Projects

- Project 1: [Website Design](#)
- Project 2: [JavaScript Game](#)
- Project 3: [E-commerce App](#)

## Contact Me

Email: [click](#)

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