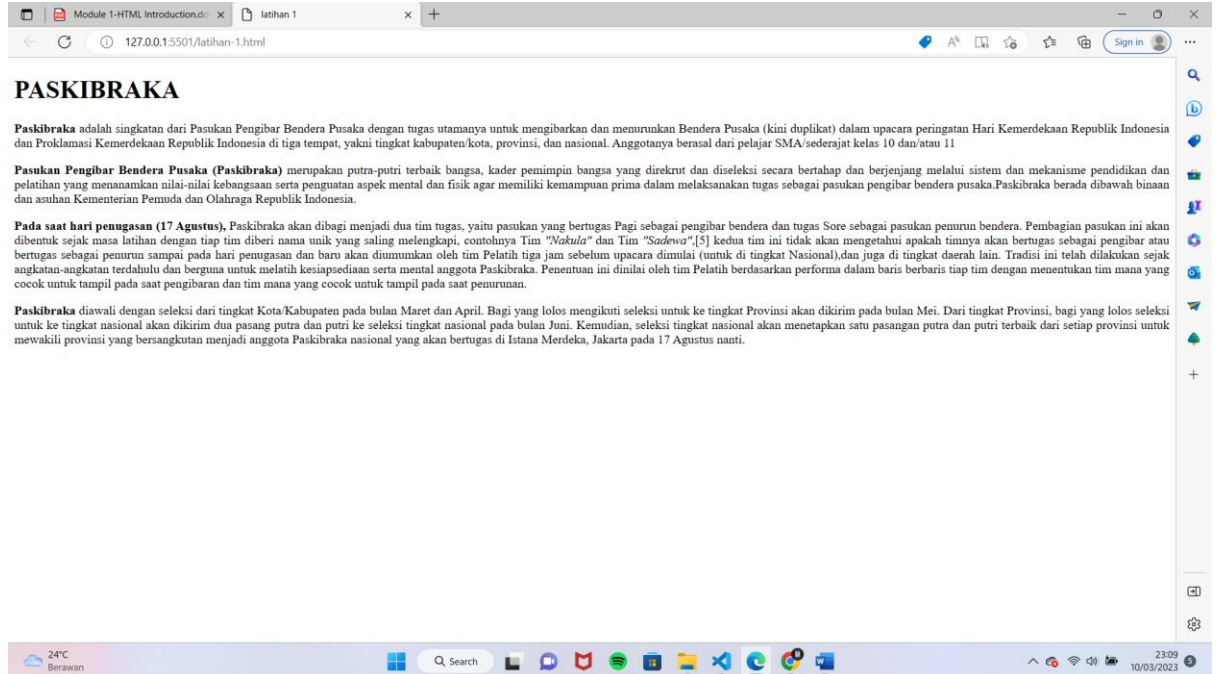Nama : Dyas Tri Apriliansyah
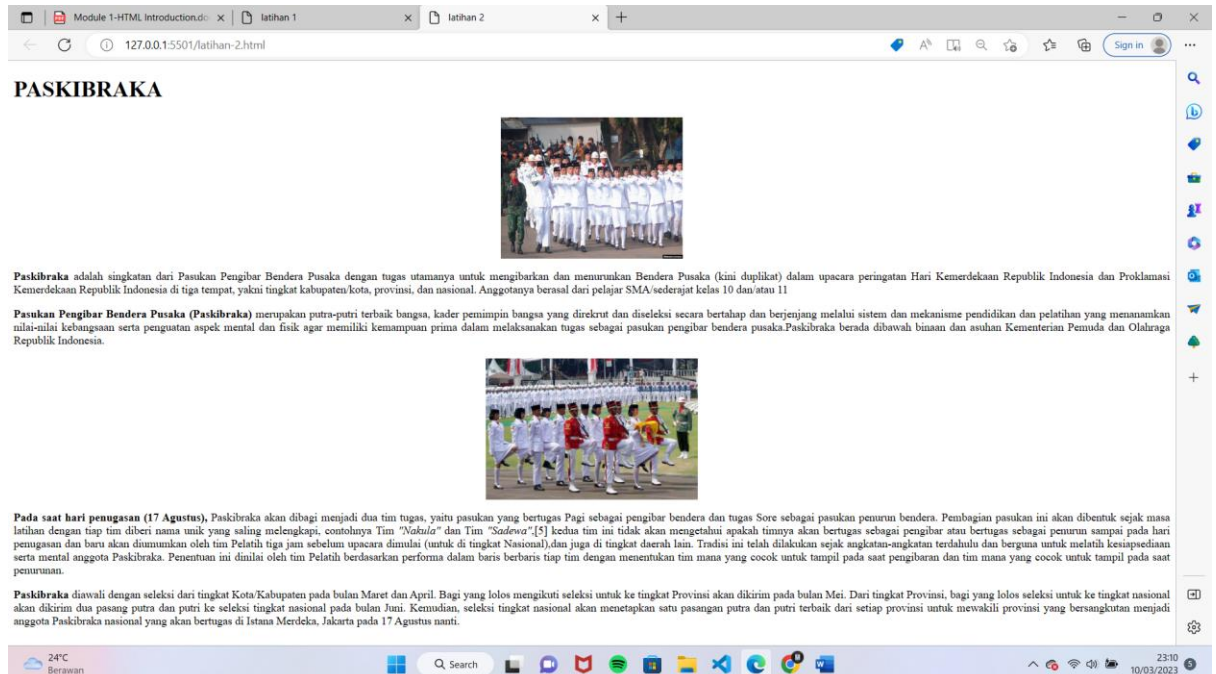
NPM : 212310015

Output Praktikum 1

1.

2.

3.

Oksigen mempunyai beberapa SIFAT FISIKA, diantaranya yang terdapat dalam table berikut:

Sifat Kimia	Oksigen
Massa Atom Relative	15,994
Nomor atom	8
Konfigurasi Electron	$2S^2 2p^4$
Jari-jari atom	0.074
Jari-jari X^2	0.140
Keelectronegatifan	3,5
Energy ionisasi I (kJ/mol)	1316
Energy ionisasi II (kJ/mol)	3396
Kecepatan (g/cm^3)	1.27(padatan)
Titik leleh (^{0}C)	+183
Titik Beku (^{0}C)	-219
potensial elektroda (V)	+0.401
$X_{2(g)}^+ 2e^+_{(aq)} \rightarrow 2X_{(ag)}$	-

4.

The 10 Most Popular Programming Languages to Learn in 2022

There's no question that software programming is a hot career right now. The Bureau of Labor Statistics projects 21 percent growth for programming jobs from 2018 to 2028, which is more than four times the average for all occupations. What's more, the median annual pay for a software programmer is about $106,000, which nearly three times the median pay for all U.S.workers.

Not all programming jobs are the same, however. Different roles, companies, and types ofsoftware require knowing and understanding different programming languages—and it's often beneficial to know multiple languages. Trying to break into the field of software programming can be a daunting experience, especially for professionals with no prior programming experience.

The Master of Science in Computer Science Align program at Northeastern University is specifically designed for students who want to transition into computer science from another field of study.

> *"Our aim is to transport students from a variety of dif erent backgrounds and have them comeout as software engineers,"* says Ian Gorton, PhD and director of the graduate computer science programs at Northeastern University—Seattle. *"We focus on math, programming, and a variety of computer science and engineering concepts."*

> Whether you're new to programming or looking to brush up on your skills, it helps to knowwhich languages are in high demand. Here are 10 of the most popularprogramming languages of 2020 based on the number of job postings listed on job search site Indeed, the average annual salary for those jobs, and factors such as ease of use and potential for growth

Top 10 Most Popular Programming Languages

1. Python
   Average annual salary : **$120.000**
2. JavaScript
   Average annual salary : **$180.000**
3. Java
   Average annual salary : **$104.000**
4. C#
   Average annual salary : **$97.000**
5. C
   Average annual salary : **$97.000**

Top 10 Most Popular Programming Languages

1. Python
   Average annual salary : **$120.000**
2. JavaScript
   Average annual salary : **$180.000**
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**

7 Other Programming Languages to Consider

- **Web-based** startups are more likely to be programming in **Python** and **JavaScript.**
- Larger companies tend to develop their internal software applications using **C#** or Java and their **Web applications using PHP**
- Programs for data analytics typically use the **R** and **MATLAB** programminglanguages.
- *Embedded devices* , such as those in the automotive and healthcare industries, runsoftware written in **C, C++, or Rust**.
- Applications that run on the cloud are increasingly written in **Go** or **Scala**.
- **Mobile applications** are increasingly written in Swift or Kotlin

5.

Programming Language Base on Career

Front-end Web Develompent	Back-end Web Develompent	Mobile Development

JS JavaScript   **JS JavaScript**   **JS JavaScript**

Elm   **Scala**   **Java**

TS TypeScript   **Go**   **C Objective C**

    Ruby   **Swift**

    Python

Top 10 Programming Language in 2022

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Coding   文A 5 languages ∨

6.

C is a general-purpose computer programming language. It was created in the 1970s by Dennis Ritchie, and remains very widely used and influential. By design, C's features cleanly reflect the capabilities of the targeted CPUs

C#

C# is a general-purpose high-level programming language supporting multiple paradigms. C# encompasses static typing, strong typing, lexically scoped, imperative, declarative, functional, generic, object-oriented, and component-oriented programming disciplines.

C++

C++ is a high-level, general-purpose programming language created by Danish computer scientist Bjarne Stroustrup.

Go

Go is a statically typed, compiled high-level programming language designed at Google by Robert Griesemer, Rob Pike, and Ken Thompson. It is syntactically similar to C, but with memory safety, garbage collection, structural typing, and CSP-style concurrency

R

R is a programming language for statistical computing and graphics supported by the R Core Team and the R Foundation for Statistical Computing.

Swift

Swift is a high-level general-purpose, multi-paradigm, compiled programming language developed by Apple Inc. and the open-source community.

PHP

PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and released in 1995. The PHP reference implementation is now produced by The PHP Group.

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