

```
(const VData &data);
);

r pub;

mode(int fd,int option);
d(int fd, int speed);
y(int fd,int databits,int stopbits,int parity)

n
ack_wheelspd_(const serial::wheelSpeed::Const
_wheelspd_(const serial::wheelSpeed::ConstPtr&
rt;
tdata[24];
rdata[256];
eed_arr[16];
me_arr[16];

eelPulse[4];
Pulse wheelPulse_msg;
e
le nh;
sher pub;
er sub;
```

Shell Script Linux Programming

In this presentation, we will dive into the fascinating world of Shell Script Linux Programming. Discover the power of automation and efficiency in the Linux environment.

Introduction

What is Shell Scripting?

Learn the definition and purpose of shell scripting and how it is used in Linux programming.

Why is Shell Scripting Important?

Explore the crucial role shell scripting plays in automating tasks and enhancing productivity.



Basic Concepts of Shell Scripting

1 Overview of Shell Scripting Language

Discover the key features and characteristics of shell scripting.

3 Control Structures

Learn about conditional statements and loops for controlling the flow of your scripts.

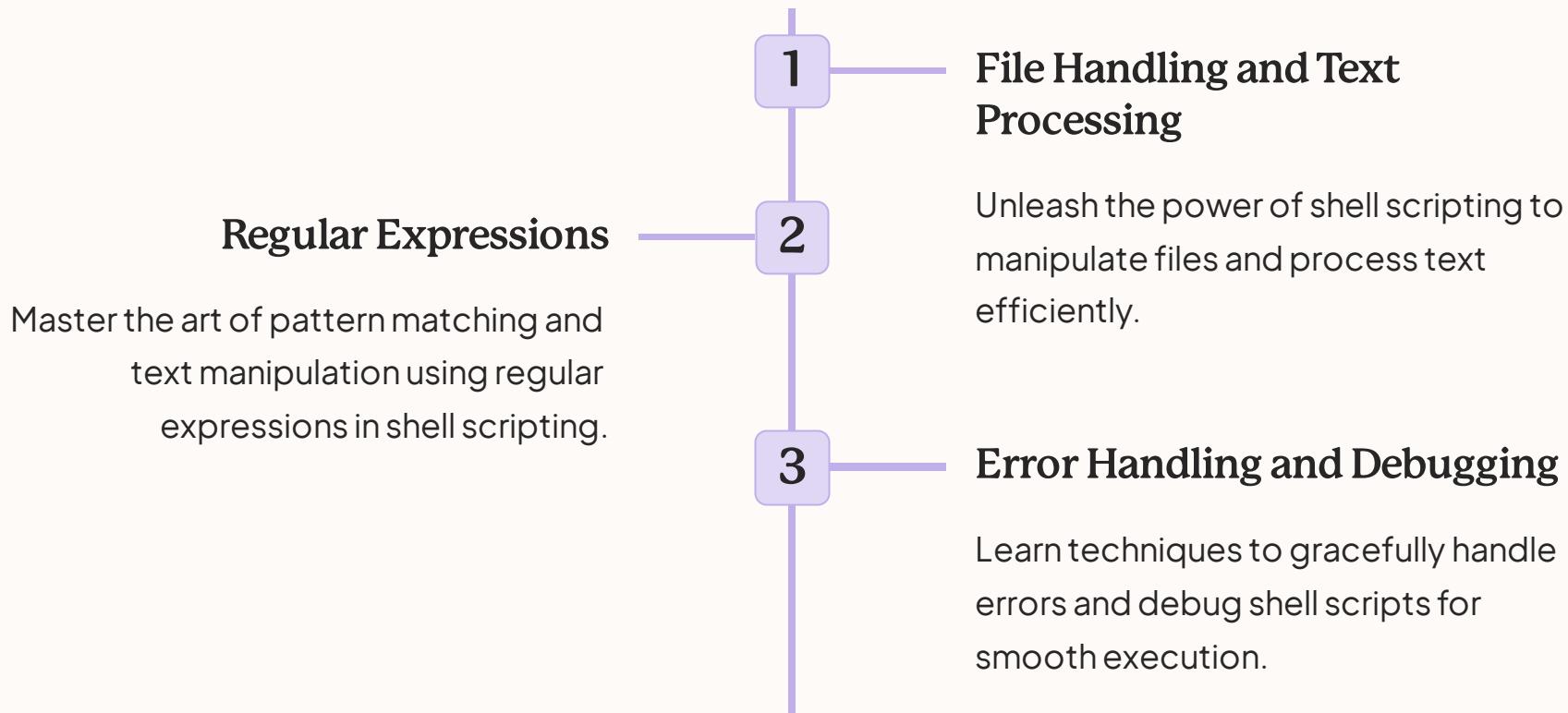
2 Variables and Data Types

Understand how to declare variables and work with different data types in shell scripting.

4 Functions

Explore the concept of functions and modularizing your shell scripts for better organization and reusability.

Advanced Topics in Shell Scripting



Best Practices for Shell Scripting

```
ws.on("message", m => {
  let a = m.split(" ")
  switch(a[0]){
    case "connect":
      if(a[1]){
        if(clients.has(a[1])){
          ws.send("connected");
          ws.id = a[1];
        }else{
          ws.id = a[1]
          clients.set(a[1], {client: position(0, 0, 0, 0), id: a[1] })
          ws.send("connected")
        }
      }else{
        let id = Math.random().toString(36).slice(-9)
        ws.id = id;
      }
    }
  })
```

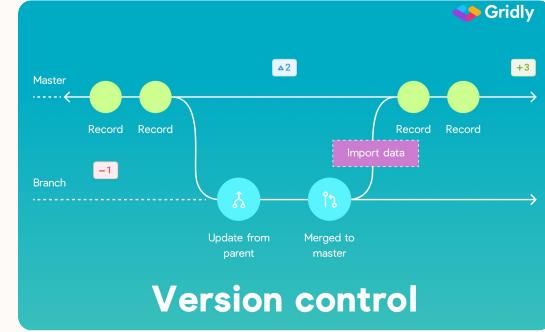
Tips for Writing Efficient and Maintainable Scripts

Discover industry best practices to optimize your shell scripts for performance and ease of maintenance.



Security Considerations

Ensure the protection and integrity of your shell scripts by following established security practices.



Version Control and Documentation

Learn how to manage versions and document your shell scripts effectively for collaboration and future reference.

Resources and Tools for Shell Scripting

Recommended Books and Online Tutorials

Explore the top resources available to enhance your knowledge and skills in shell scripting.

Useful Shell Scripting Libraries and Frameworks

Discover powerful libraries and frameworks that can accelerate your development process.

Popular IDEs and Editors

Learn about the best Integrated Development Environments and text editors for coding shell scripts.



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Conclusion

1

Summary of Key Points

Recap the essential concepts and highlights of shell scripting in Linux programming.

2

Importance of Shell Scripting in Linux Programming

Highlight the significant role shell scripting plays in automating tasks and improving efficiency in the Linux environment.



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