1. List of problems that I have practiced today.

# 4. While loop:

### 5. For loop:

## 6. Taking input from user :

```
Select saurabhi@ LenovolegionS; -[-/ShellScripting/ShellPractice]

| Caurabhi@ LenovolegionS; -[-/ShellScripting/ShellPractice]
| I /bir/bash
```

### 7. If statement :

```
Select suarabh@ LencovoLegion5)-[-/ShellScripting/ShellPractice]

[saurabh@ LencovoLegion5)-[-/ShellScripting/ShellPractice]

[stat Or_if.sh

if [sage -ge 18]

then

echo -"You're eligible for voting."

elise

echo "You're not eligible for voting."

[saurabh@ LencovoLegion5)-[-/ShellScripting/ShellPractice]

[saurabh@ LencovoLegion5)-[-/ShellScripting/ShellPractice]
```

## 8. If else statement with logical and :

```
Select saurabh@LenovoLegion5: ~/ShellScripting/ShellPractice
  -(saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
$ cat 08 if and_logic.sh
echo "Enter your username : "
read username
echo "Enter your password : "
read password
if [[ $username == 'Saurabh' && $password == 'Pass@123' ]];
        echo "Welcome $username, to your home page. "
else
        echo "You're not a valid user."
fi
                            n5)-[~/ShellScripting/ShellPractice]
(saurabh@ LenovoLegior
$ ./08_if_and_logic.sh
Enter your username :
Saurabh
Enter your password :
Pass@123
 Welcome Saurabh, to your home page.
  -(saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
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Sunny
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                                                                                                                                                                Q Search
```

9. If else statement with logical OR :

```
Select saurabh@LenovoLegion5: -/ShellScripting/ShellPractice
 -- (saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
-$ cat 09_if_or_logic.sh
#! /bin/bash
echo "Enter your role : "
read role
echo "Enter the password : "
read password
if [[ ($role == "Admin" || $role == "Manager" ) && $password == "Pass@123" ]];
         echo "Welcome $role !"
else
        echo "Person with admin and manager role can only access this."
(saurabh@LenovoLegion5)-[~/ShellScripting/ShellPractice]
$\frac{1}{5}./09_if_or_logic.sh
Enter your role:
Admin
Enter the password :
Pass@123
Welcome Admin !
(saurabh@LenovoLegion5)-[~/ShellScripting/ShellPractice]
    ./09_if_or_logic.sh
Enter your role :
Customer
Enter the password :
 Person with admin and manager role can only access this.
  -(saurabh® LenovoLegion5)-[~/ShellScripting/ShellPractice]
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```

#### 10. If else if:

```
(saurabh@LenovoLegion5)-[~/ShellScripting/ShellPractice
  $ cat 10_ifelse.sh
#! /bin/bash
echo "Enter your age : "
read age
echo "Enter your gender (M/F) : "
if [[ $age -ge 18 && $gender == 'F' ]];
echo "You're eligible for marriage."
elif [[ $age -ge 21 && $gender == 'M' ]];
       echo "You're eligible for marriage."
       echo "You're not eligible for marriage."
 ---(saurabh® LenovoLegion5)-[~/ShellScripting/ShellPractice]
-$ ./10_ifelse.sh
Enter your age :
Enter your gender (M/F) :
You're not eligible for marriage.
  -(saurabh@LenovoLegion5)-[~/ShellScripting/ShellPractice]
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```

#### 11. Case :

```
(saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
$ cat 11_case.sh
#! /bin/bash
echo -n "Enter the number of day in week : " read num
case $num in
                 echo "Its Monday."
        2)
                echo "Its Tuesday."
        3)
                 echo "Its Wednesday."
        4)
                 echo "Its Thursday."
        5)
                 echo "Its Friday."
        6)
                 echo "Its Saturday."
        7)
                 echo "Its Sunday."
        *)
                echo "Not a valid week day."
 (saurabh⊛ LenovoLegion5)-[~/Shell

$ ./11_case.sh

inter the number of day in week : 7

its Sunday.
                  ovolegion5) - [~/ShellScripting/ShellPractice]
  (saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
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```

## 12. Command-line Arguments :

```
—(saurabh⊛ LenovoLegion5)-[~/ShellScripting/ShellPractice]

$ cat 12_command_line_argument.sh
#! /bin/bash
echo "Total number of arguments entered : $#."
echo "First argument value : $1"
echo "Second argument value : $2"
echo "Third argument value : $3"
sum=$(($1+$2+$3))
echo "Sum of three number is $sum.
    -(saurabh@ LenovoLegion5)-[~/ShellScripting/ShellPractice]
$ ./12_command_line_argument.sh 10 20 30
Total number of arguments entered : 3.
First argument value : 10
Second argument value : 20
Third argument value : 30
Sum of three number is 60.
   -(saurabh⊛ LenovoLegion5)-[~/ShellScripting/ShellPractice]
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                                                      Q Search
```

## 13. Combining two strings :

```
Select saurabh@LenovoLegion5: -/ShellScripting/ShellPractice
       rabhs LenovoLegion5)-[~/ShellScripting/ShellPractice]
 scat 13_combine_string.sh
#! /bin/bash
echo "Enter first string : "
read string1
echo "Enter second string : "
read string2
string3=$string1+$string2
echo "Combined after concatenation : $string3 ."
 Enter first string :
info
Enter second string : bell
Combined after concatenation : info+bell .
  -(saurabh⊕ LenovoLegion5)-[~/ShellScripting/ShellPractice]
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```

#### 14. Substring

```
Secret Search Bel LenovologionS - [~/ShellScripting/ShellPractice]

| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
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| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
| Saurabh@ LenovologionS - [~/ShellScripting/ShellPractice]
```

### 15. Function

### 16. Function with parameter :

