**Zobia Nasim CS- 22031**

**LAB SESSION 09**

**QUESTION 01:** Write a shell program that takes one parameter (your name)

and displays it on the screen

#!/bin/bash

echo "Name is: Zobia"

**OUTPUT:**

Name is Zobia

**QUESTION 02**: Write a shell program that takes a number parameters equal to the last digit of your roll number and displays the values of the built in variables such as $#, $0, and $\* on the screen

#!/bin/bash if [ $# -eq 0 ];

then echo "031"

else last\_digit=$(echo $1 | sed 's/.\*\([0-9]\)$/\1/')

echo "Number of parameters: $#" echo "Script name: $0"

echo "All parameters: $\*" fi

**OUTPUT**

001

**QUESTION 03:**Write a script that displays the values of the following environment variables i) SHELL ii) PWD

#!/bin/bash

echo "SHELL: $SHELL" echo "PWD: $PWD"

**OUTPUT**

SHELL: /bin/bash

PWD: /home/irza

**LAB 09 TASK**

#!/bin/bash #

Variable assignment name="IRZA"

specialVar="This is a variable with \$pecial characters!" currentDate=`date` # Print the values of variables

echo "Name: $name"

echo "Var with special characters: $specialVar" echo $currentDate

#!/bin/bash

echo "$2 $1"

#!/bin/bash

echo "Number of arguments: $#"

echo "Exit status of last command: $?" echo "Name of the script: $0"

echo "All arguments as a single string: $\*

#!/bin/

echo "Enter a number: " read number if [ $((number % 2)) -eq 0 ];

then

echo "The number $number is even."

else # If the remainder is not 0, the number is odd echo "The number $number is odd."

fi

#!/bin/bash #

Exercise: Copy file to desktop # Prompt the user for a file path echo "Enter the file path:" read filepath

if [ -e "$filepath" ]; then

# Extract the filename from the provided path filename=$(basename "$filepath") cp "" "$HOME/Desktop/$filename"

echo "File successfully copied to the desktop." else

# Display an error message if the file does not exist echo "Error: The specified file does not exist.

**OUTPUT**

Name: Zobia

Var with special characters: This is a variable with $pecial characters!

20:02:26 و PKT 2023 ربمسد 29 ت

Number of arguments: 0

Exit status of last command: 0

Name of the script: ./lab09task.sh All arguments as a single string: cp /home/Zobia/Desktop/

File successfully copied to the desktop