**Name : Anjali Dofe**

**MIS : 111903137**

Shell Script code for Simple Calculator

#!/bin/bash

if [[ $# -eq 2 ]] ; then

firstnum=$1

secondnum=$2

echo 1. Addition

echo 2. Subtraction

echo 3. Multiplication

echo 4. Division

echo 5. Exit

echo Enter your choice:

read choice

# start computing

if [[ $choice -eq 1 ]] ; then

echo ----------------------------------------

echo Addition of $firstnum and $secondnum is $((firstnum+secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 2 ]] ; then

echo ----------------------------------------

echo Subtraction of $firstnum and $secondnum is $((firstnum-secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 3 ]] ; then

echo ----------------------------------------

echo Multiplication of $firstnum and $secondnum is $((firstnum\*secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 4 ]] ; then

echo ----------------------------------------

echo Division of $firstnum and $secondnum is $((firstnum/secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 5 ]] ; then

exit

else

echo ----------------------------------------

echo Invalid choice...

echo ----------------------------------------

echo

fi

elif [[ $# -eq 0 ]] ; then

while true

do

# Offer choices

echo 1. Addition

echo 2. Subtraction

echo 3. Multiplication

echo 4. Division

echo 5. Exit

echo Enter your choice:

read choice

# get operands and start computing based on the user's choice

if [[ $choice -eq 1 ]] ; then

echo Enter firstnum value:

read firstnum

echo Enter secondnum value:

read secondnum

echo ----------------------------------------

echo Addition of $firstnum and $secondnum is $((firstnum+secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 2 ]] ; then

echo Enter firstnum value:

read firstnum

echo Enter secondnum value:

read secondnum

echo ----------------------------------------

echo Subtraction of $firstnum and $secondnum is $((firstnum-secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 3 ]] ; then

echo Enter firstnum value:

read firstnum

echo Enter secondnum value:

read secondnum

echo ----------------------------------------

echo Multiplication of $firstnum and $secondnum is $((firstnum\*secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 4 ]] ; then

echo Enter firstnum value:

read firstnum

echo Enter secondnum value:

read secondnum

echo ----------------------------------------

echo Division of $firstnum and $secondnum is $((firstnum/secondnum))

echo ----------------------------------------

echo

elif [[ $choice -eq 5 ]] ; then

exit

else

echo ----------------------------------------

echo Invalid choice.. Please try again

echo ----------------------------------------

echo

fi

done

else

echo ----------------------------------------

echo You have passed too many parameters or too less

echo than the requirement.

echo

echo This program accepts a maximum of 2 arguments or no

echo argument at all in order to run successfully.

echo ----------------------------------------

fi

Output screenshot

Text

Description automatically generatedText

Description automatically generated