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root@ARIUN-DESKTOP: ~/pentest
#!/bin/bash
show_menu() {
    echo "Operators: "
    echo "1.Addition "
    echo "2.Subtraction"
    echo "3.Multiplication"
    echo "4.Division "
    echo "5.Average "
}
show_menu
read -p "Enter the two numbers: " num1 num2
read -p "Enter the choice: " operator
case $operator in
    1)
        add=$(( $num1 + $num2))
        cat << EOF
The Addition Of the Numbers is $add
EOF
;;
    2)
        sub=$(( $num1 - $num2))
        cat << EOF
The Subtraction Of the Numbers is $sub
EOF
;;
    3)
        mul=$(( $num1 * $num2))
        cat << EOF
The Multiplication of the the Numbers is $mul
EOF
;;
    4)
        if [ "$num2" == 0 ]; then
            cat << EOF
The division by zero is undefined
EOF
        else
            div=$(( $num1 / $num2 ))
            cat << EOF
The Division of the the Numbers is $div
EOF
        fi
;;

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    5)
        avg=$(( ($num1 + $num2) / 2))
        cat << EOF
The Average of the Numbers is $avg
EOF
;;
    *)
        cat << EOF
Invalide choice
EOF
;;
esac
-- INSERT --

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OUTPUT:

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root@ARJUN-DESKTOP: ~/pentest
root@ARJUN-DESKTOP:~/pentest# vim calculator.sh
root@ARJUN-DESKTOP:~/pentest# ./calculator.sh
Operators:
1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Average
Enter the two numbers: 2 3
Enter the choice: 1
The Addition Of the Numbers is 5
root@ARJUN-DESKTOP:~/pentest# ./calculator.sh
Operators:
1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Average
Enter the two numbers: 4 5
Enter the choice: 3
The Multiplication of the the Numbers is 20
root@ARJUN-DESKTOP:~/pentest# ./calculator.sh
Operators:
1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Average
Enter the two numbers: 2 4
Enter the choice: 5
The Average of the Numbers is 3
root@ARJUN-DESKTOP:~/pentest#

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