

```

Aki 192.168.1.8
~/Desktop/learn/OS/Ex2.1
ls
Calculator.sh interest.sh removeLast3characters.sh smallestThreeNum.sh

```

1)

```

read -p "Enter Principal Amount: " P
read -p "Enter Rate of Interest: " R
read -p "Enter Time (in years): " T

SI=$(echo "scale=2; ($P * $R * $T) / 100" | bc)
echo "Simple Interest: $SI"

```

```

Enter Principal Amount: 50000
Enter Rate of Interest: 12
Enter Time (in years): 5
Simple Interest: 30000.00

```

2)

```

read -p "Enter first number: " a
read -p "Enter second number: " b
read -p "Enter third number: " c

smallest=$a

if [ $b -lt $smallest ]; then
    smallest=$b
fi

if [ $c -lt $smallest ]; then
    smallest=$c
fi

echo "Smallest number is: $smallest"

```

```

Enter first number: 69
Enter second number: 120
Enter third number: 500000
Smallest number is: 69

```

3)

```

read -p "Enter a string: " str

modified_str="${str::-3}"

echo "Modified string: $modified_str"

```

```

Enter a string: akilan
Modified string: aki

```

4)

```

calculate() {
    case $2 in
        "+") result=$(echo "$1 + $3" | bc) ;;
        "-") result=$(echo "$1 - $3" | bc) ;;
        "*") result=$(echo "$1 * $3" | bc) ;;
        "/" ) result=$(echo "scale=2; $1 / $3" | bc) ;;
        "%") result=$(echo "$1 % $3" | bc) ;;
        *) echo "Invalid operator"; exit 1 ;;
    esac
    echo "Result: $result"
}

read -p "Enter first number: " num1
read -p "Enter operator (+, -, *, /, %): " op
read -p "Enter second number: " num2

```

```

Enter first number: 25
Enter operator (+, -, *, /, %): *
Enter second number: 25
Result: 625

```