#!/bin/bash

# Prompt user to enter the number of elements

echo "Enter the number of elements in the array:"

read n

# Initialize an empty array

declare -a array

# Read elements from the user

echo "Enter the elements of the array:"

for ((i = 0; i < n; i++)); do

read array[i]

done

# Initialize max as the first element of the array

max=${array[0]}

# Find maximum element

for ((i = 1; i < n; i++)); do

if (( ${array[i]} > max )); then

max=${array[i]}

fi

done

# Print the maximum element

echo "Maximum element in the array: $max"