#include <stdio.h>

#include <stdlib.h>

int main() {

int N;

// Prompts the user for the number of bids

printf("Enter the number of bids (N >= 2): ");

scanf("%d", &N);

while (N < 2) {

printf("Error: Number of bids must be at least 2. Please try again: ");

scanf("%d", &N);

}

// Allocate memory for bids

int \*bids = (int \*)malloc(N \* sizeof(int));

if (bids == NULL) {

printf("Memory allocation failed.\n");

return 1;

}

// Input and validate each bid

printf("Enter the bids (must be at least $100000): \n");

for (int i = 0; i < N; i++) {

printf("Bid %d: ", i + 1);

scanf("%d", &bids[i]);

while (bids[i] < 100000) {

printf("Error: Bid must be at least $100000.Please try again: \n");

printf("Bid %d: ", i + 1);

scanf("%d", &bids[i]);

}

}

// Determine the highest bid from the entered values

int highestBid = bids[0];

for (int i = 1; i < N; i++) {

if (bids[i] > highestBid) {

highestBid = bids[i];

}

}

// Print the value of the highest bid

printf("\nThe highest bid is: $%d\n", highestBid);

// Free allocated memory

free(bids);

return 0;

}