SORTING OF NAMES USING AN ARRAY OF POINTERS

#include <stdio.h>

#include <string.h>

void sortNames(char \*names[], int size)

{ int i, j; char \*temp;

for (i = 0; i < size - 1; i++)

{ for (j = i + 1; j < size; j++)

{ if (strcmp(names[i], names[j]) > 0)

{ temp = names[i]; names[i] = names[j]; names[j] = temp;

}

}

}

}

void main()

{ char \*names[] = {"Jeyashree","Karthiga","Hariharapriya","Sandhoshini","Sai pooja","Harshini"};

int size = sizeof(names) / sizeof(names[0]);

int i;

printf("Names before sorting:\n");

for(i = 0; i < size; i++)

{ printf("%s\n", names[i]);

} sortNames(names, size);

printf("\nNames after sorting:\n");

for (i = 0; i < size; i++)

{ printf("%s\n", names[i]);

}

}

OUTPUT:

Names before sorting:

Jeyashree

Karthiga

Hariharapriya

Sandhoshini

Sai pooja

Harshini

Names after sorting:

Hariharapriya

Harshini

Jeyashree

Karthiga

Sai pooja

Sandhoshini