```c
/*      Program to Find HCF of Two Numbers using Recursion      */

#include <stdio.h>

int hcf(int, int);

main()
{
    int h, i, a, b;

    printf("\nEnter values of two numbers: ");
    scanf("%d %d", &a, &b);

    h = hcf(a, b);

    printf("\nHCF of numbers is: %d", h);
    getch();
}

int hcf(int a, int b)
{
    if (a%b == 0)
        return b;
    else
        return hcf(b, a%b);
}
```