

```
/** Program to Find HCF of Two Numbers Without Recursion */  
  
#include <stdio.h>  
  
main()  
{  
    int q, m, n, temp;  
    printf("\nEnter values of two numbers: ");  
    scanf("%d %d", &m, &n);  
  
    if (m == 0)  
    {  
        printf("\nHCF of number is: %d", n);  
        goto end;  
    }  
  
    if (n == 0)  
    {  
        printf("\nHCF of numbers is: %d", m);  
        goto end;  
    }  
  
    if (n > m)  
    {  
        temp = m;  
        m = n;  
        n = temp;  
    }  
}
```

```
q = 1;

while (q != 0)
{
    q = m % n;
    if (q != 0)
    {
        m = n;
        n = q;
    }
}

printf("\nHCF of number is: %d", n);
end:
getch();
}
```