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Input

```
16
24
```

Output

```
Enter two integers
 16 24
hcf 16 and 24= 8
Lcm of 16 and 24= 48
```

HCF and LCM

Program

```
#include <stdio.h>
    void main()
{
    int a,b,c,d,temp,hcf,lcm;
    printf("Enter two integers\n");
    scanf("%d%d",c,d);
     a=c;
     b=d;
     while(b!=0)
    {   temp=b;
        b=a%b;
        a=temp;
    }
    hcf=a;
    lcm= (c*d)/hcf;
    printf(" hcf of %d and %d = %d\n",c,d,hcf);
    printf(" Lcm of %d and %d = %d\n",c,d,lcm);
}
```

Algorithm

step1 - start
step2 - Input c,d
step3 - a=c
step4 - b=d

step 5 - while (b != 0)

temp = b

b = a % b

a = temp

[End while]

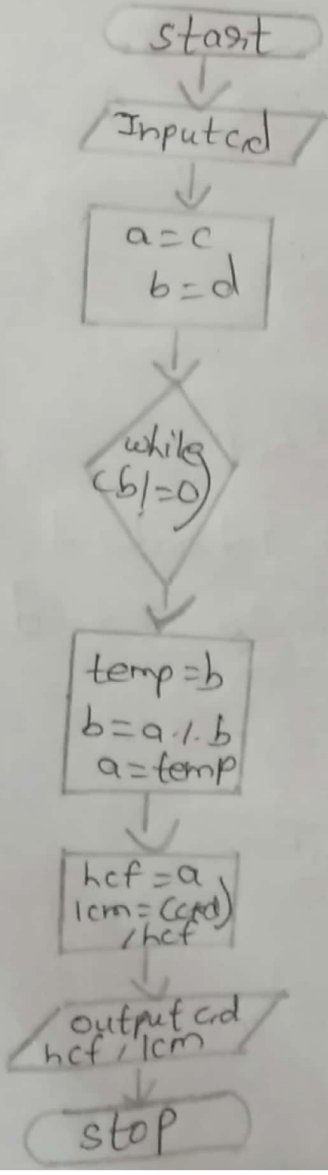
step 6 - hcf = a

step 7 - lcm = (c*d) / hcf

step 8 - output c, d, hcf and lcm.

step 9 - stop

Flowchart



output -

Enter two integers

16 24

hcf 16 and 24 = 8

lcm of 16 and 24 = 48 .