```c
#include<stdio.h>
int main()
{
        int a,b,lcm,hcf,rem,num,deno;
        printf("enter two numbers:\n");
        scanf("%d\n%d",&a,&b);
        printf("%d\n%d\n",a,b);
        if(a>b)
        {
            num=a;
            deno=b;
        }
        else
        {
            num=b;
            deno=a;
        }
        rem=num%deno;
        while(rem!=0)
        {
            num=deno;
            deno=rem;
            rem=num%deno;
        }
        hcf=deno;
        lcm=(a*b)/hcf;
        printf("hcf of %d and %d=%d\n",a,b,hcf);
        printf("lcm of %d and %d=%d\n",a,b,lcm);
}
```

0:0

Open File

Custom Input

```
10 5
```

Status Successfully executed **Date** 2020-06-03 17:45:10 **Time** 0 sec

Input

```
10 5
```

Output

```
enter two numbers:
10
5
hcf of 10 and 5=5
lcm of 10 and 5=10
```

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To find HCF & LCM.

Algorithm:

1. Start
2. Display enter two numbers
   Input a, b
3. if (a > b)
   num = a
   deno = b
   else
   num = b
   deno = a
4. rem = num % deno
5. while (rem != 0)
   num = deno
   deno = rem
   rem = num % deno
6. hcf = deno
7. LCM = (a * b) / hcf
8. Display hcf of %d & %d = %d
   output a, b, hcf
9. Display LCM of %d & %d = %d
   output a, b, LCM
10. Stop.

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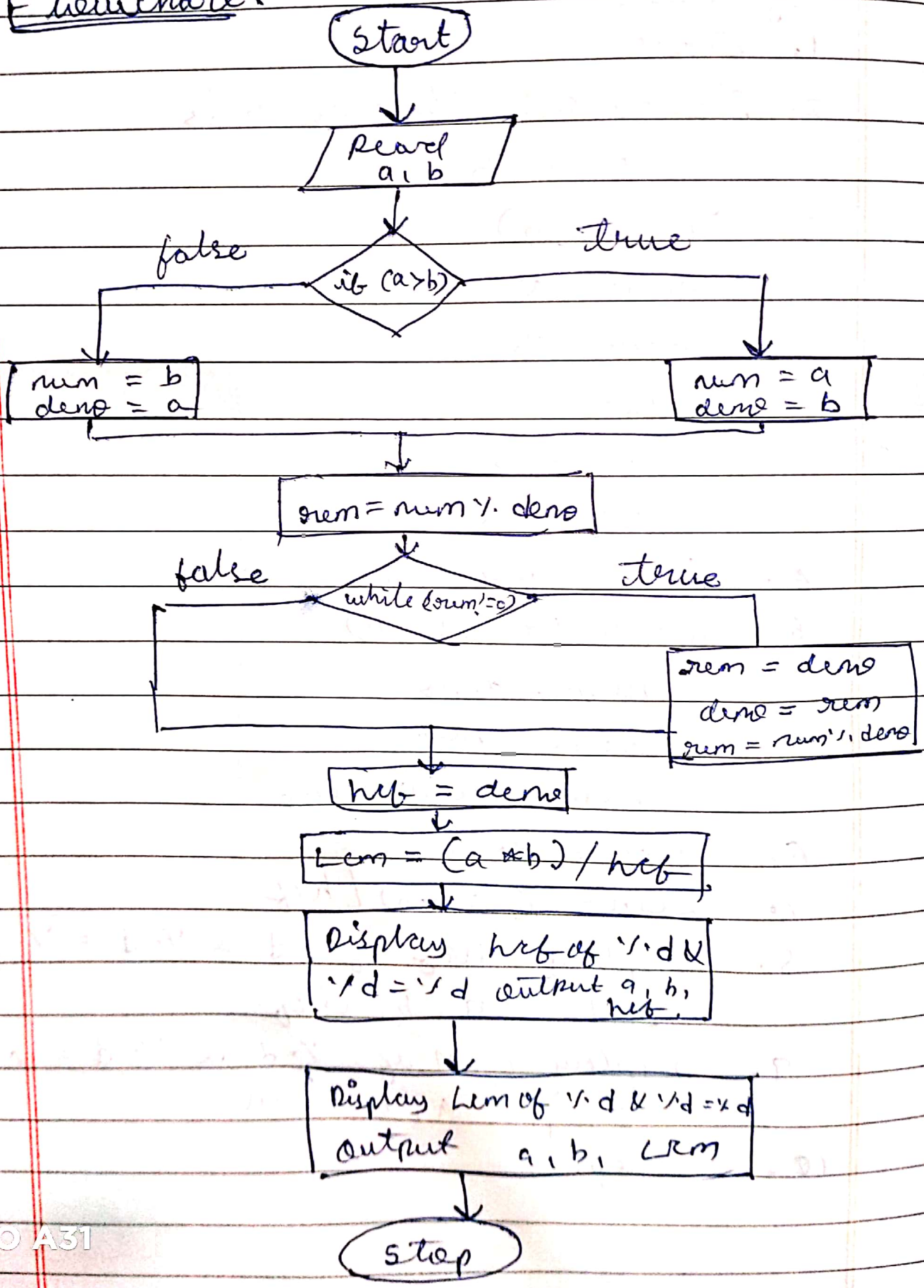
Flowchart:



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