WAP to find HCF & LCM of 'n' integers

```
#include <conio.h>
int main()
{
   long long int i,j,n,a,b,c,d;
   printf("\n\t\t\t\tTo find HCF & LCM of 'n' integer numbers enter 'n'.  ");
   scanf("%lli",&n);
   long long int number[n];/*contains all input numbers*/
   for(i=0; i<n; i++)
   {
      printf("\n\t\t\t\tEnter %lli th number: ",i+1);
      scanf("%lli",&number[i]);
   }
   a = number[0];
   b = number[0];
   for(i=0; i<n; i++)
   {
      if (b>number[i]) b=number[i];/*find smallest number in array*/
      if (a<number[i]) a=number[i];/*find greatest number in array*/
   }
   c=0;
   j=b;
   do
   {
      d=0;
      for(i=0; i<n; i++)
      {
         if (number[i]%j!=0) break;
         else d++;
      }
      if (d==n)
      {
         printf("-----------------------------------------------------------------------------------------------
-----------------------------------------------------------------");
         printf("\n\t\t\t\tHCF = %lli\n",j);
         printf("-----------------------------------------------------------------------------------------------
-----------------------------------------------------------------");
         c=1;
      }
      j--;
```

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   }
   while(c!=1);
   c=0;
   j=1;
   do
   {
      b=0;
      for(i=0; i<n; i++)
      {
         if ((a*j)%number[i]!=0) break; /*In LCM n1*a1=n2*a2=n3*a3.*/
         else b++;
      }
      if (b==n)
      {
         printf("\n\t\t\t\tLCM = %lli\n",a*j);
         printf("----------------------------------------------------------------------------------------------------
----------------------------------------------------------------------");
         c=1;
      }
      j++;
   }
   while(c!=1);
}
```