```
#include<stdio.h>
int main()
{
   int g[100],h[100],i,x,y,j;
   printf("Enter elements in group G\n");
   for(i=0;i<100;i++)
   {
      printf("Enter 1 to enter new element else 0 then enter the element :");
      scanf("%d",&x);
      if(x==1)
         {
            scanf("%d",&g[i]);
               i++;
         }
      if(x==0)
         break;
   }
   printf("Enter elements in group H\n");
   for(j=0;j<100;j++)
   {
      printf("Enter 1 to enter new element else 0 then enter the element :");
      scanf("%d",&y);
      if(y==1)
         {
            scanf("%d",&h[j]);
            j++;
         }
      if(y==0)
         break;

   }
   printf("\nn(G)/n(H) = %d / %d = %d    {n(G)=Order of group G, n(H)=Order of group H",i,j,i/j);
   if(i%j==0)
      printf("\nLagrange Equation Verified");
```

```
    else
        printf("\nLagrange Equation Not Verified");
    return 0;
}
```