1BM19cs193

3 Given a queve of whole numbers. WAP to setur a new queue which contains the evenly duisible nos Assume that there will always be a few elements in the input queue, which are evenly divisible by the nois in the mentioned range.

Note: A no - a said to be evenly dursible of it is dusible by all nois in the guer range without any remainer. consider the maye to be from 1 to 10 (both inclusive)

```
#indude Lstdioth>
# define MAX 5
INT a [MAR]
 INTP [MAY]
 int rear ] = -1;
 int front = 1;
  int near 2=-1/
  int front 2 = -1;
  int is
  void ename (int ele)
  real = (real + 1)% MAX;
  P Freaz] = ele;
  porint (" " lod enqueued in pln", ele),
   of feont (2==-1)
      front 2=0;
```

```
void display()
punt (" The elements dusible by all nois from 1 to 10 are: ")
   for (i= front 2; i L = rear 2; i++)
     printf (">60" | t", p[]);
   int main ()
     Int item;
     purt (" Buter the avenu clements");
     for (50; iLMAD; i++)
     E scart (" Olad", A iden);
       enaveres (, tem);
     for ( = feart 1; i L= real; it)
      & ((ati)%2==0) 44 a(i)%3==0)44 a(i)%64==0)
       44 (a/[i] % 5==0) ff(a/[i] % 6==0) 44(a/[i] %7==0)
       44 (a[i] % == 0) 44 (a[i] % == 0 $f(a[i] % == 0))
     { come 2(av (i));
     display ();
     , consular
```