CHECK FOR DIVISIBILITY

#include<iostream>

int main()

{

int a[100],n,k=0;

cout<<”enter the value of n”;

cin>>n;

cout<<”enter the array elements”;

for(int i=0;i<n;i++)

{

cin>>a[i];

}

perm(a,k,n);

return 0;

}

void perm(int b[],int kv,int nv)

{

if(kv==nv)

{

if(nv==1)

{

if(b[0]%8==0)

cout<<”this number is divisible by 8”;

for(int i=0;i<nv;i++)

cout<<b[i];

}

else if(nv==2)

{

if((b[nv-2]\*10+b[nv-1])%8==0)

{

cout<<”this number is divisible by 8”;

for(int i=0;i<nv;i++)

cout<<b[i];

}

}

else

{

int last=b[nv-1];

int slast=b[nv-2];

int tlast=b[nv-3];

if((tlast\*100+slast\*10+last)%8==0)

{

Cout<<”this number is divisible by 8”;

for(int i=0;i<nv;i++)

Cout<<b[i];

}

}

}

else

{

for(int i=kv;i<nv;i++)

{

int t=b[kv];

b[kv]=b[i];

b[i]=t;

perm(b,kv+1,nv);

int t=a[kv];

b[kv]=b[i];

b[i]=t;

}

}

}