```
Program 7 CRC
                                                  d[i]=r[i];
import java.util.Scanner;
class CRC {
public static void main(String args[]) {
int m,g[],n,d[],z[],r[],msb,i,j,k;
n=sc.nextInt();
System.out.print("Enter no. of generator
                                                  }}
bits:");
m=sc.nextInt();
d=new int[n+m];
g=new int[m];
                                                  else
System.out.print("Enter data bits : ");
                                                  }}
for(i=0;i<n;i++)
d[i]=sc.nextInt();
System.out.print("Enter generator bits:
");
for(j=0;j<m-;i++)
d[n+i]=0;
r=new int[m+n];
for(i=0;i<m;i++)
r=new int[m+n];
for(i=0;i<m;i++)
z[i]=0;
for(i=0;i<n;i++)
{ k=0;
msb=r[i];
for(j=i;j<m+1;j++)
{ if(msb==0) r[j]=xor(r[j],z[k]);
r[j]=xor(r[j],g[k]);
k++;
}
r[m+i]=d[m+i];
System.out.print("The code bits added
are:");
for(i=n;i<n+m-1;i++)
```

```
{
System.out.print(d[i]);
System.out.print("\nThe code data is : ");
for(i=0;i<n+m-1;i++){
System.out.print(d[i]);
public static int xor(int x,int y) {
if(x==y) return(0);
return(1);
```