```
Prog-8: Prog for error detecting Code wing CRC-
                  CCITT (16 6its)
       import fava. util. x;
          public class Crc
              Public static int o:
               public static void main (String Cargs)
                 Scanner in = new scanner (System.in);
                     (rc ob = new (rcc):
                       String code, copy, rec
                        System. out printly ("Enter mgg");
                         code = in onext(ine ()
                         n = code. length();
                         copy = code =
                        code = 06. divide (code);
                        System. out . println ("msq =" +copy);
              = copy · substring (o, n) + code · substring (n);
                       system.out. println ("CRC = ");
                      System.out. println (code. substring(n));
System.out. println ("transmitted frame is
                     System · out println ("Enter recived data");
                        rec = in. neutline ();
             if (zero. equals (ob. devide (rec) substring (n))
                    system.out.println ("correct bits recieved")
                   System out println ("Received frame ontains
                        one on more errors ");
                          in. close ();
    REDMI NOTE 5 PRO
      DUAL CAMERA
```

```
Public string dévide (String S)
            char x;
           String div = "1000/000000/100001";
for (i=0; i/n; i++)
                 x = 8. charAt(:);
                for (j=0; j< 17; j++)
                  if (x=='1')
                    if (s.charAt (i+j) = div.charAt(j))
                    S = S. substring (0, it) +"1" + S.
                   substring (i+j+1);
                    else
                     5 = 5: substring (o, iti) + "0"+
                           So substring (i+i+1);
               returns;
REDMI NOTE 5 PRO
MI DUAL CAMERA
```