```
1. Java program to print all prime numbers in given away.
    import java. ntil. *;
   class Prime () }
                                      1 0 1
         Public static void mann (Spring () angv) {
          int n:
          Scamer scamer = new Scanner (Tystem. in);
          milion some into
          Spotem. ont. print ("Enter no. of elements in array")
          n = scanner. next[htl);
          Int arr[] = new int[n];
          For ( Int 1=0; i < n; itt) }
              asili] = scanner. next [ t ();
         for (int i=0; ikn : itt) }
              if (check Paine (ars[i]))}
                     System. art. print (an [1]);
public boarcheck Prime ( int hum) }
   600000
    if (nnm == 0 | nnm == 1) }
        seturn false;
    } else }
         for (int i=2; i < nnm/2; iet) }
               f (num / 1 = = 0) {
                     Letwo Talse;
 3 School time
```

```
2. dara program to multiply two given matrices and paint
the result in matria form.
                                 THIS & BULL OF
 Import java util . Scanner;
 class Multipy Matrix }
     Public static void main (String[] argv) {
        int m, n, p, q, snm=0, c,j, k,
       Scanner & renew Scanner (System in);
       Systematrint ("Enter domension of matrix m, n");
        m= s. next ();
        n = s nextint();
      System and point ("In Enter dimens ion of second matrix P, 9)");
        P= S. next Int (),
       9/2 S. next Int ();
       f(n 1=p)}
            System put. paintln (" Matrix cannot be multiplied
                                n ]= 91);
      Zelse {
          int[][] f, s, jm;
         fz new int[m][n])
          S= rew int [P](V);

M= NLW int [M](V);
        System out partituln ("Goder first matrix");
         for ( 1=0; ixm; itt)
              for (j=0; j<n; j+1)
         System. ord. grindly (" forter second matrix");
         for (joo; Kp ; itt)
              for (j.o; jev; jer)
                    s[i][i] . s. heat hall);
        for (1=0; 1Km; H1) {
             -for (j=0)j<q; j+1){
                   -for (k=0; k< P; k+1){
sum t=f[i][k] * s[k][j]
```

```
m[i][j] = snm;
          Snm =0;
     System ord println("Risht matrix &:");
                              for (j=0) Km; 177) {
       -for (j=0; j<v; j+t)}
             System. out. proint (m[i][j] + "\+");
         System ont Proint to (" \n");
3. Java class to creete quene with methods and delete.
  Use Constructor.
   Parties Opening
    public class Queue }
      int[] q, int top = 0 int length , to
      Quene (int length) {
      thes. 9 = new int[length];
}
      april public bod add Quene (int element)}
               if (top < length) }
                    q [-lop] = element;
                3 else qui
                3 System out. print In ("Error: Quene overflow!
```

Scanned with CamScanner

```
public italele & guene () {
    is blog & tengo
     of (top == -1) }
        System. ont. println ("Error: No elements in queue"))
seturn -1;
   zelse if (top < length) {
  Speriod
        int element = q [top];
        toptt;
        if (top = = length) {
            top = 0;
       Return element;
```