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① program membuat dan mengakses matriks

```
package matrix;
public class matrix {
public static void main (String [] args ) {
 int matrix [][] = new int [3][3] ;
 matrix [0][0] = 34;
 matrix [0][1] = 56;
 matrix [0][2] = 41;
 matrix [1][0] = 45;
 matrix [1][1] = 36;
 matrix . [1][2] = 37;
 matrix [2][0] = 51;
 matrix [2][1] = 52;
 matrix [2][2] = 46;
 for (int i =0 ; i< matrix.length ; i++ ) {
 for (int j = 0; j< matrix[0] .length ; j++ ) {
        System.out.print (matrix [i] [j] + " ");
}
  System.out.println ();
}
  System.out .println ();
  System. out. println (matrix [2][2]);
        System.out.println ();
  System.out.println (" Nisa Ashfiyani ");
}
}
```

(2) membuat pengurangan matriks 3*2.

```
package pengurangan_matriks;
public class pengurangan {
    public static void main (String [] args ) {
        int [][] A = {
            { 3, 7 },
            { 2, 4 },
            { 1, 7 }
        };
        in [][] B = {
            { 6, 2 },
            { 3. 5 },
            { 2 . 8 }
        };
        if ((A.length == B.length) && (A[0].length == B[0].length)) {
            int [][] C = new int [A.length] [A[0].length];
            for (int i=0; i<A.length; i++) {
                for (int j=0; j<A[0].length; j++) {
                    for (int k=0; k<A[0].length; k++) {
                        C[i][k] = A[i][k] - B[i][k];
                    }
                }
            }
        }
            for(int [] c: C) {
                for (int q: c) {
                    System.out.print (q+ " ");
                }
                System.out.println ();
            }
        }
        else {
            System.out.println ("ukuran matrix tidak sama");
        }
    }
}
```

(3.) Program perkalian matriks 2x3

```
package perkalian;
public class perkalian {
    public static void main (String [] args){
        int [][] A = {
            { 3, 7, 5 },
            { 2, 4, 1}
    };
     int [][] B = {
        { 6, 2, 5 },
        { 3, 5, 1}
    };
     if ((A.length == B.length) && (A[0].length == B[0].length)) {
        int [][] C = new int [A.length [A[0].length];
            for (int i=0; i<A.length; i++){
            for (int j=0; j<A[0].length; j++){
              C[i][j] = A[i][j] * B[i][j];
        }
      }
    }
        for (int [] c: C) {
          for (int q: c) {
            System.out.print (q + " ");
      }
      System.out.println ();
    }
  }
        else {
            System.out.println ("ukuran matriks tidak sama");
      }
    }
}
```