1 Hollow block matrix:

A Hollow block matrix is a matrix sorth elements only on the Border or perimeter, and the interior Elements are filled with Zeros.

program for Hollow black matrix:

Proport Pava. util. Scanner;

public class HollowBlockMatrix &

public statec vord morn (string [] args)

Scanner scanner = new scanner (System. Pn);

System. out. println ("Inter the number of rows!");

Int rows = scanner. nextInt();

System.out.prottn ("Inter the number of

columns:")5

ant columns = scanner . nextint ();

PotEI[] matrix = new ent [rows] [column];

for (9nt 9=0; 9< rows; PH) &

for (Port j=0) j < column; j++) {

9f (9==0 || P== nows_1 || S==0 || J== column -1) g

matax [1][1]=1;

7

4

4

8.01

for (Pnt 9=0; 9< rows; 9++) {
for (Pnt 9=0; 9< Column ; 9++) {

System.out.printin (matrix[1][1]

+"");

System.out-print(n'();

Scanner.close ();

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1 ... sep = 5 cp 5 .

derest where topped on a lo

3 3 11

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1:51

@ Factorial of n prime numbers: 9mport Java. util. scanner; public dass factorial of primes & Put n = Scanner, next Int ();

public static void main (string [] args) Scanner Scanner = new Scanner (System.) system.out. print ("Enter the value of n:"); ent count = 0; Int number = 2; whole (count < n) & of (Psporme(number)) { long factoreal = calculate factorial (number); system.out. pantla ("factorial of pame + number + ": " + factorial);

```
count++;
 number ++;
Scanner. close ();
private statec boolean reprime (Pit num) }
 8f (num <=1) f
  return false;
 for (Port P=2; P<=math, sqrt(hum);
 of (num% ==0) {
  return false;
 return true;
41 1
```

```
private state long calculate
Factoral (Port num) {
long factorial =1",
for (Pot P= 2; 9<= num; 9++)
factoral = ?;
return factorial;
    in the second of the second of
```