2021290010 - Mahadi Sajjad Neloy

COMPUTER SCIENCE DEPARTMENT

JAVA - EXAM

i) Even numbers in [0, 100] Public class Even Numbers

2

Public static void main (5 thing args[]) System. out. print ("Numbers" + number +":");

System. out. print ("Numbers" + number +":");

for (int i = 1,i <= rumber, itt) 2 if (: %2 = = 0) & System.out.print(it"");

class Factorial (double n) or Calculate n';

class Factorial {

lobbic static vord main (String aug.

Static double jactorial (double n)

if (n = 0)

return 1;

alse

return (n* jactorial (n-1));

3

Public static void main (String args []) {

double i, jact = 1;

double number = & n;

jact = jactorial (number);

jact = jactorial (number);

System.out.println ("Factorial q" + number + "is:" + jact);

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3

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III Checking wether number is prime,
 int count =0;
 int number = 2;
System. out. println ("The jist" + NOP+" print prime numbers are: \n");
 While (unt < NOP) {
         boolean is Prime (int n);
         for (int divisor = 2; divisor <= number /2; divisor ++) {
             if (number % divisor = = 0) {
               is frime = julses
               break;
            ig (is frime) {
                System.out print (number + " ");
                 Count ++;
               if (count % NOPPL == 0) {
                   System.out.println();
              number ++;
             input. close ();
```

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Public class Unique {

Public static int[] getUniquetlormants (int[] earl, int[] earl)

int[] combine = Stream. constact (through stream (earl), Arrays stream (Bir))

toArray (String[]:: new);

List (int ) distinct Elements = Array stream (combine)

distinct()

collect (collectors, toList ());

return distinct Elements to Array (new state [distinct Elements. Size (]);

public static void main (Int[] args) {

Int[] arrl = mew Int[] {2,1,6,3};

Int[] arrl = mew Int[] {23,6,5,23;

System outprint In (Int.; on (i) Marge unique (arrl, arr2)));

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Public class rectangle &

Public class recta
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