	NAME: AKASH RAJ PATEL ENR: A70405221051 Labwork 2
_	
9	Read numbers using commandline arguements
	of the following.
	Inc Jonowing.
	v. Prime Numbers
	ii). Even Numbers
	The second secon
	Also print the total numbers entered by the
	user Further do not create any new array.
101	1
7 4	import Java, io. *;
	public class prime Even Numbers &
	process prince Liver practices to
	public static boolean istrime (int num) {
	int c;
	boolean is Prime;
	isPrime = true;
	- Marin Marin Desired Land State Control of the Con
	for (i= ?; i <= mum/2; i++){
	if (num == 0) {
	isPrime = false;
	break;
	1)
	if (num 7. i = = 0)
	isprime = false;
	break;
1	p;
	71



return isprime;

public static void main (String[] Args) {

int 1;

1 = Args.length;

if (1>0) {

try (
int i, num, numprime, numeuen;
numprime = 0;
numeuen = 0;

System. out. println ("In Array Input: In");

for (i = 0; i<1; i++) {

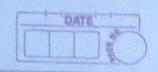
num = Integer. parseInt (Args (i));

if (isPrime(num)) {

numPrime + +;
}

if (num1.2 == 0) {
 num Even++;
}

System out printle (num + " 11);



Num of Prime And Even

System. out. println ("In Number of Euen: " + numeven);

11 Num of Prime.
System-out-println ("In Number of Prime: "+ noumprime);

3 catch (Exception e) {

Merror message System. out. printh ("In Error: In" + e);

3.

}

```
C:\Users\akash\Desktop\Study\Amity\Sem_2\OOPJS\2-21-22>java
Array Input:
2
5
8
-31
10
Number Of Even: 3
Number Of Prime: 4
```



28 Read a string from command the and identify the total number of vowels consonant numbers and other literals enters by the user. The string could be non-case sensitive public class vowels Eonsonants In String & public Hatic void main (String[] Args) & int lig 1 = Args [O], length(); if (1 > 0) { try [char ch; int i, numVowels, num consonant; int numspecial, numNumber; numbblels = numconsonante = 0; num Number = numspeaal = 0; system. out. println (" In Inputstring: " + Args (07); for (i=0; i(1; i++)f ch = Arys [0]. to lower (ase (), charAt (i);

```
if ((ch)= 'a') &k (ch (= 'z')) {
     if ((ch == 'a') | (ch == 'e') | 1
       (ch == 'i') | (ch == 'o') | (ch == 'u')) {
      hum vowels ++;
      else &
      numconsonant ++;
else if ((ch >= '0') &k (ch (= 'g')) {
  numNumber + +;
PISE &
   numspecial ++;
system. out. println ("In Vowels: " + num vowels);
system. out. println ("In Numbers: " + num Number);
system. out. printh ("In consonant: " + numconsonant);
system. out. println ("In special Character: " + nunspecial);
catch (Exception e) &
  system-out. println ("In error: "+e);
```

C:\Users\akash\Desktop\Study\Amity\Sem_2\OOPJS\2-21-22>java
Input String: hEllo11!!
Number of Vowels: 2
Number of Consonant: 3
Number of Numbers: 2
Number of special characters: 2
C:\Users\akash\Desktop\Study\Amity\Sem_2\OOPJS\2-21-22>