<u>Assignment – 6</u>

Practice Questions: 1

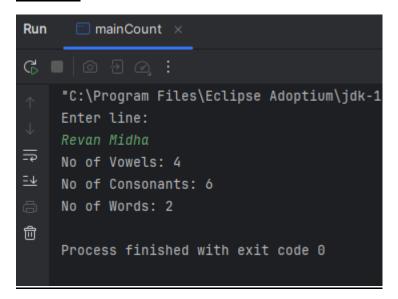
Q1) WAP to accept a line from user and count the number of vowels and consonants and words in it.

CODE:

```
Count.java ×
     package Practice4;
     String checkVowelCons(char s){ 1 usage  

♣ RevanMidha005
             if (s >= 'a' && s <= 'z'){
                if (s == 'a' || s == 'e' || s == 'i' || s == '0' || s == 'U'){
                else {
            else {
         String check;
             for (int \underline{i} = 0; \underline{i} < len; \underline{i} + +) {
                char c = line.charAt(i);
                check = checkVowelCons(c);
                if (check == "Vowel"){
                else if (check == "Consonant"){
            System.out.println("No of Vowels: " + v);
```

OUTPUT:



HANDWRITTEN:

	-
And package count, java	
- J J	-
parkage Practlee4;	
1 Destante	
public 10 au count 3	-
Streng much Vone 1 Con (chan S) &	
public class count & Strong uncuklowellows (chan S) & (S>='a' && & S<='2') &	-
8 (822'a' 1822'8' 1822'0' 1822'0' 1822	P
3	-
Me bridge 1 Vorge 11 Comme 1 1 August 2	
getwin "Vowel".	
2000 8	
else & return "Consonant";	
& Actain amonant,	
2	
	-
exe ?	-
g Hetern "Special";	0 1
· J	-
J	
vold went Voyel comes (String line, int len) ? Striv check	
String Check;	- 19
String Check; int " =0; ins =0;	- 1
	1
	-

for (Put =0: (< len ; ?+)?

Unar (= line charA+(i); Check = checklowellow(c); & (check = = "Vowel") & else & (check=="(asonaut") ? System ("No. of vources:"+V);
System ("No. of commants: "+ cons); vold pund World (Study line, int he)? Ent (=1; Charlen; for (int i=0; i<len; i+1) {

(h = 1 line charatt(i);

if (ch =='1') {

C+21; Sysalu ("No. of words: "+ ();

melnount, Java

parhage spracticey;
import jours, while scanner;

public class melnount &

public shake void main (stuly E) args) &

Scanner sen = new scanner (system. In);

System ("Enter line: ");

Strilly thre = sen. next line();

Strilly thre = sen. next line();

Strilly towerthoc = line, tolower case (s;

(ourt obj = new (ourt();

Obj. count voure instourther, lowerline, length);

Obj. count word (lowerline, lowerline, length);

P

Q2) WAP to accept 10 lines from user and display the second largest line.

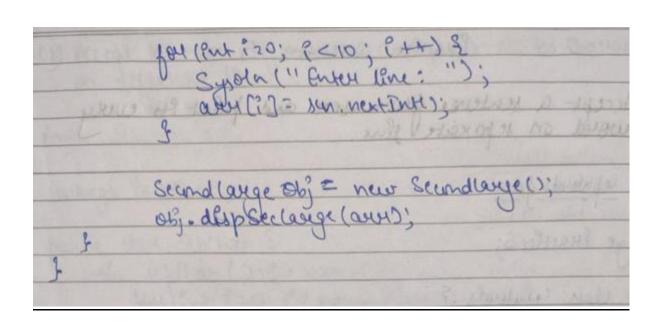
CODE:

OUTPUT:

```
mainSecondLarge ×
Run
G ■ @ ∃ @ :
    "C:\Program Files\Eclipse Adoptium\jdk-17.0.12.7-hotspo
    Enter line:
    Enter line:
    Enter line:
    abc
⑪
    Enter line:
    abd
    Enter line:
    abcd
    Enter line:
    efghi
    Enter line:
    asdhasd
    Enter line:
    kjddfjdf
    Enter line:
    jahsdhd
    Enter line:
    ahsdhasd
    kjddfjdf
```

HANDWRITTEN:

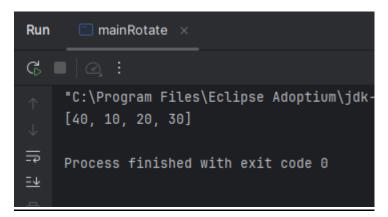
And Sundlaught Sava	-
Ans) Second langest. Java package tracker y;	1
package valence,	
public class second conge 2	
public class Secondlange & voltstring com desp Seclarge (String com) &	
String maxi 2"", String smaxi 2"",	
Stuce Janani 21171,	
stary street	
Lou (Stuly S: arus) &	_
U K (S. Whaten (0) = mant. length ()) 2	_
Joy (Strily S: ares) { (S. Wyth (0) = maxi legth()) { Smars = maxi	
Margari Z. S.	
masi = S;	
1	
2 011 10 11 11 001.	
3 Systen. Out. println (smani);	
3	
main seun dlauge-fava	1
- Taracan Company of the company of	
nackage fuartice 4:	
inport java, well. Scanner;	
(where land are source)	
public day main second large &	
public static used men (String [] augs) ?	
" Scanney son = now scanwer (system. in);	
Scanney SUN = now Scanwer (System. Ph); Styly [] are 2 new Styly [10];	
Scanney son = nour scanney (system. ?n); Styly []axy = new Styly [10];	
Scanney Sin = now scanney (system. Ph); Stally EJarry = new Stally [10];	



Q3) WAP to rotate (clockwise) a given array by 1.

CODE:

OUTPUT:



HANDWRITTEN:

```
Am) lotate Annay Java
package Practice 4;
public class fotate Aurey ?
    Ent [] ROTOTON ("INT E) WHY & STORED &
         int len = own length;
         for ( lint ?= len -1; (>=1; (--) {
        art 63= temp;
        neturn our;
 main lotate gava
  (mport "java. utl. Arrays;
  bushe class manhatate ?
       public state void main (String [] angs) }
           Lotare Away obj 2 new lotate Attray ();
           (ut (1 aux = 2 00, 20, 30, 40);
            our = os; Retator (ann.) 0;
            Syste ( Kurays. to String (aux));
                                               Spiral
```