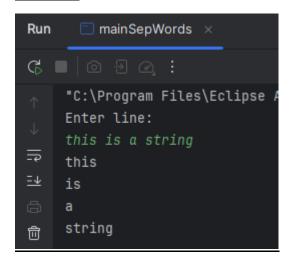
Assignment – 7

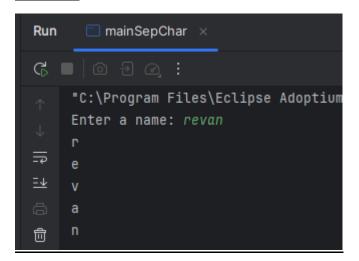
Practice Questions: 1

Q1) Accept a sentence from user and print its every word on separate line.



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Sysom (word);	
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infort java-utte. Scanner;	
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Streng Bre 2 sen. next line ();	
Schwardy Obj = new Sepwards();	
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Q2) Accept the name of the user and print all its character on different line.



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public class Septhan E
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String name = sun next (mil);
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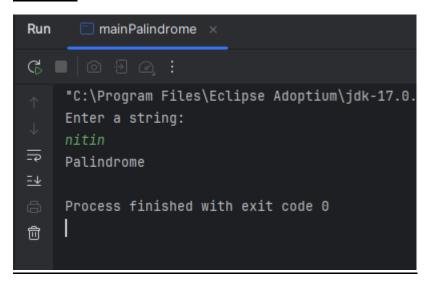
Q3) Accept a string from user and check whether it is palindrome or not.

```
package Practice5;

public class Palindrome { 2 usages  ** RevanMidha005

    boolean isPalin(String str) { 1 usage  ** RevanMidha005

    for (int i = 0; i < str.length() / 2; i++) {
        if (str.charAt(i) != str.charAt(str.length() - 1 - i)) {
            return false;
        }
    }
    return true;
}
</pre>
```



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package machees;
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public class fallholume 3
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4 (str. chauAt (?) 1 = 8tr. chauAt (str. length()-i-1)) }
q retain false;
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Q4) Accept a line from user and then accept the word to be searched in it. Print the location of it.

```
C LinearSearch.java
                   @ mainLinearSearch.java ×
      package Practice5;
      import java.util.Scanner;
     public class mainLinearSearch {  # RevanMidha005*
         Scanner scn = new Scanner(System.in);
             System.out.println("Enter the string: ");
             String line = scn.nextLine();
             System.out.println("Enter the string to be searched: ");
             String search = scn.nextLine();
             LinearSearch obj4 = new LinearSearch();
             int idx = obj4.linearSearch(line, search);
             if (idx != -1){
                 System.out.println("Word Position: " + (idx + 1));
             else{
                 System.out.println("Not found");
```

```
Run □ mainLinearSearch ×

C □ □ □ □ □ :

□ "C:\Program Files\Eclipse Adoptium\jdk-17.0.12."

Enter the string:

this is a string

Enter the string to be searched:

± this

Word Position: 1

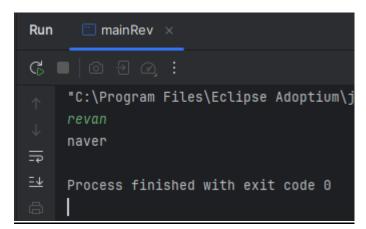
□

Process finished with exit code 0
```

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Chie Chiendal alle more (m. Chiene
public class Unear Search & String Search) & Ent Linear Search (String line, String Search) & String Diwords = Vine. Split (" ", 0);
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4
for lint ?=0; ?< words. leight ; itt)? ly (words?). equals (searce))? Herwin 1;
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harbara Practice B.
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- public static void main (String [] angs) ? Scanner son = new Scanner (Aysten. Pm);
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Q5) Accept a String from user and reverse it without using another String variable.

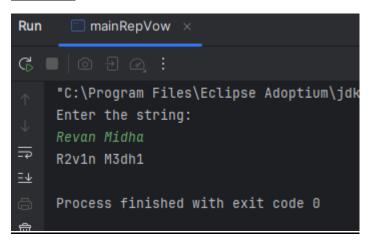


Ans) Reverse fava
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- public class Reverse &
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String ster (string string) String String String
for (int i= MH. length ()-1; i>=0; i)? S+2 MH. Charles;
Stz Mu. Chan Atle):
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Q6) Write a method to take input in two matrix from user and display the product of matrix

```
© ReplaceVow.java × @ mainRepVow.java
        package Practice5;
        public class ReplaceVow { 2 usages ∴ RevanMidha005
 4@
            String rep(String line){ 1 usage  

RevanMidha005
                 String \underline{s} = "";
                 for (char i : line.toCharArray()){
                      char x = Character.toLowerCase(i);
                      if (x == 'a'){
                          <u>s</u> += "1";
                      else if (x == 'e'){
                          <u>s</u> += "2";
                      else if (x == 'i'){
                          \underline{s} += "3";
                      else if (x == 'o'){
                          <u>s</u> += "4";
                      else if (x == 'u'){
                          <u>s</u> += "5";
                      else{
                          <u>s</u> += i;
```



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petter parkage l'entres;
String rep (String Une) &
String sound
ton (Chan i: line, to ChanArmay () { Chan x = Chanacter. to Lowerlane (i);
fy (x=='a')\$ S+="1";
une & (n=='e') { St="2";30
Chety (22219) & St="3"; 3
Che if (x==101) { St=2114113
che & (N2='U') & S+= "5",3
Clie & Stzi;
3 MEHLYIN S;
J Curtical

main Rep Vour Java

package Practices;
Inpart gave will Scanner;

public class main Repyows &
public static void main (String C) angr) &
Scanner sur = new Scander (System in);
Sysom ("Enter Anky: ");
Shuly shur runnextline();

Pellacevour Obj = new Repracevours;
String Replaced String Obj . nep(string);
Sysotm (Heplaced String);

by