**Analytical Questions - Strings**

**1.Write a program to print the number of vowels in the given statement?**

import java.util.Scanner;

public class second1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Enter the string: ");

String str = input.nextLine();

int index = 0;

for (int i = 0; i < str.length(); i++) {

if (str.charAt(i) == 'a' ||str.charAt(i) == 'A' ||str.charAt(i) == 'e' ||str.charAt(i) == 'E' ||str.charAt(i) == 'i' ||str.charAt(i) == 'I' ||str.charAt(i) == 'o' ||str.charAt(i) == 'O' ||str.charAt(i) == 'u' ||str.charAt(i) == 'U' ) {

index = index+1;

}

}

System.*out*.println("Number of vowels="+ index);

}

}

**2. Write a program to print consonants and vowels separately in given word**

import java.util.Scanner;

public class second1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Enter the string: ");

String str = input.nextLine();

int index = 0;

String s1="",s2="";

for (int i = 0; i < str.length(); i++) {

if (str.charAt(i) == 'a' ||str.charAt(i) == 'A' ||str.charAt(i) == 'e' ||str.charAt(i) == 'E' ||str.charAt(i) == 'i' ||str.charAt(i) == 'I' ||str.charAt(i) == 'o' ||str.charAt(i) == 'O' ||str.charAt(i) == 'u' ||str.charAt(i) == 'U' )

{

s1=s1+str.charAt(i);

}

else

{

s2=s2+str.charAt(i);

}

}

System.*out*.println("Consonants="+ s2);

System.*out*.println("Vowels="+ s1);

}

}

**3. Write a program that finds whether a given Character is present in a string or not. In case it is present it prints the index at which it is present. Do not use built in functions to search character.**

import java.util.Scanner;

public class second1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Enter a string: ");

String str = input.nextLine();

System.*out*.print("Enter a character to search: ");

char searchChar = input.nextLine().charAt(0);

int index = -1;

for (int i = 0; i < str.length(); i++) {

if (str.charAt(i) == searchChar) {

index = i;

break;

}

}

if (index == -1) {

System.*out*.println("The character is not present in the string.");

} else {

System.*out*.println("The character is present at index " + (index+1) + " in the string.");

}

}

}

**4.Write a program to arrange the letters of the word alphabetically in reverse order**

import java.util.Scanner;

public class second1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Enter a string: ");

String str = input.nextLine();

String s1="";

for (int i = str.length()-1; i > -1; i--)

{

s1=s1+str.charAt(i);

}

System.*out*.println("Reverse order="+s1);

}

}

**5.Write a program that accepts a string from user and displays same string after removing vowels from it**

import java.util.Scanner;

public class second1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Enter the string: ");

String str = input.nextLine();

int index = 0;

String s1="",s2="";

for (int i = 0; i < str.length(); i++) {

if (str.charAt(i) == 'a' ||str.charAt(i) == 'A' ||str.charAt(i) == 'e' ||str.charAt(i) == 'E' ||str.charAt(i) == 'i' ||str.charAt(i) == 'I' ||str.charAt(i) == 'o' ||str.charAt(i) == 'O' ||str.charAt(i) == 'u' ||str.charAt(i) == 'U' )

{

s1=s1+str.charAt(i);

}

else

{

s2=s2+str.charAt(i);

}

}

System.*out*.println(s2);

}

}