**1.Flush Characters**

**public** **class** flush {

**public** **static** **void** main(String[] args) {

String s1="cogniz$#45An";

String s2=*getvalues*(s1);

System.***out***.println(s2);

}

**public** **static** String getvalues(String s1)

{

StringBuffer sb=**new** StringBuffer();

**for**(**int** i=0;i<s1.length();i++)

{

**char** a=s1.charAt(i);

**if**(!Character.*isAlphabetic*(a))

sb.append(a);

}

**return** sb.toString();

}

}

**Output:**

$#45

**2.Fetching Middle Characters From String**

**import** java.util.Scanner;

**public** **class** MiddleChar {

**public** **static** String getMiddleChar(String str)

{

StringBuffer sb=**new** StringBuffer();

**if**(str.length()%2==0)

{

sb.append(str.substring((str.length()/2)-1,(str.length()/2+1)));

}

**return** sb.toString();

}

**public** **static** **void** main(String[] args) {

System.***out***.println("Enter the String");

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

String str=sc.next();

str=*getMiddleChar*(str);

System.***out***.println(str);

}

}

**Output:**

Enter the String

Alan

la

**3.Negative String**

**import** java.util.Scanner;

**public** **class** Negative {

**public** **static** String negativeString(String msg)

{

StringBuffer buf=**new** StringBuffer();

String[] str=msg.split(" ");

**for**(String s:str)

{

**if**(s.equals("is"))

{

buf.append(" ").append("is not").append(" ");

}

**else**

{

buf.append(s).append(" ");

}

}

**return** buf.toString();

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

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

String msg1;

System.***out***.println("Enter the String");

msg1=sc.nextLine();

Negative n=**new** Negative();

System.***out***.println(n.*negativeString*(msg1));

}

}

**Output:**

Enter the String

Today is misty

Today is not misty

**4.Occurence Count**

**import** java.util.Scanner;

**public** **class** Occurence {

**public** **static** **int** countWords(String msg,String word)

{

String [] array=msg.split(" ");

**int** count=0;

**for**(**int** i=0;i<array.length;i++)

{

**if**(array[i]==word)

{

count++;

}

}

**return** count;

}

**public** **static** **void** main(String[] args) {

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

System.***out***.println("enter the sentence");

String msg=sc.next();

System.***out***.println("enter the word");

String word=sc.next();

**new** Occurence();

System.***out***.println(Occurence.*countWords*(msg,word));

}

}

**Output:**

enter the sentence

Hello world java is best programming language in the world

enter the word

world

Occurence of world: 2

**5.String Processing – Replication**

**import** java.util.Scanner;

**public** **class** Replica {

**public** **static** String repeatString(String message,**int** N)

{

StringBuffer sb=**new** StringBuffer();

**for**(**int** i=0;i<N;i++)

{

sb.append(message+"\n");

}

**return** sb.toString();

}

**public** **static** **void** main(String[] args) {

System.***out***.println("Enter String");

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

String message=sc.next();

System.***out***.println("how many times you want it to repeat");

**int** N=sc.nextInt();

Repeat r=**new** Repeat();

r.*repeatString*(message,N);

}

}

**Output:**

Enter String

Hello

how many times you want it to repeat

3

HelloHelloHello

**6.Reverse SubString**

**import** java.util.Scanner;

**public** **class** Reverse {

**public** **static** String reverseSubstring(String str,**int** index1,**int** length)

{

StringBuffer sb=**new** StringBuffer(str);

sb.reverse();

str=sb.toString();

**return** str.substring(index1,(index1+length));

}

**public** **static** **void** main(String[] args) {

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

System.***out***.println("Enter the String");

String msg=sc.next();

System.***out***.println("Enter the starting index");

**int** index=sc.nextInt();

System.***out***.println("Enter the length of selected string");

**int** len=sc.nextInt();

msg.length();

Reverse a=**new** Reverse();

System.***out***.println(a.*reverseSubstring*(msg, index, len));

}

}

**Output:**

Enter the String

rajasthan

Enter the starting index

2

Enter the length of selected string

3

Hts

**7.String processing-long+short+long**

**import** java.util.Scanner;

**public** **class** StringProcess {

**public** **static** String getCombo(String msg3,String msg4)

{

**if**(msg3.length()<msg4.length())

**return** msg3+""+msg4+""+msg3;

**else**

**return** msg3+""+msg4+""+msg3;

}

**public** **static** **void** main(String[] args) {

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

String msg1,msg2;

System.***out***.println("enter the first string");

msg1=sc.next();

System.***out***.println("enter the second string");

msg2=sc.next();

StringProcess s=**new** StringProcess();

System.***out***.println(s.*getCombo*(msg1,msg2));

}

}

**Output:**

enter the first string

Hello

enter the second string

Hi

HelloHiHello

**8.Write a program to read a string where all the lowercase ‘x’ char havebeen moved to the end of the string.**

**import** java.util.Scanner;

**public** **class** StringProcessing2 {

**public** **static** String moveX(String msg3) {

StringBuffer buf1=**new** StringBuffer();

StringBuffer buf2=**new** StringBuffer();

**for**(**int** i=0;i<msg3.length();i++)

{

**char** ch=msg3.charAt(i);

**if**(ch=='x') {

buf1.append(ch);

}

**else**

{

buf2.append(ch);

}

}

**return** buf2.append(buf1).toString();

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

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

System.***out***.println("Enter the String");

String msg1=sc.nextLine();

StringProcessing2 s=**new** StringProcessing2();

System.***out***.println(s.*moveX*(msg1));

}

}

**Output:**

Enter the String

xxhixx

hixxxx

**9.Write a program to read a sentence in string variable and convert the first letter of each word to capital case.**

**import** java.util.Scanner;

**public** **class** Uppercase {

**public** **static** String printCapitalized(String msg)

{

StringBuffer buf=**new** StringBuffer();

String[]array=msg.split(" ");

String a=**null**;

**for**(String s:array)

{

**int** n=s.length();

a=s.substring(1, n);

buf.append(s.substring(0,1).toUpperCase()).append(a).append(" ");

}

**return** buf.toString();

}

**public** **static** **void** main(String[] args) {

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

System.***out***.println("enter");

String msg=sc.nextLine();

Uppercase ob=**new** Uppercase();

System.***out***.println(ob.*printCapitalized*(msg));

}

}

**Output:**

enter

hello my name is akash

Hello My Name Is Akash