**STRINGS ASSGINMENT:**

**1.**

**import** java.util.Scanner;

**public** **class** StrLength {

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

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

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

System.***out***.print("Enter String : ");

String str = scan.nextLine();

System.***out***.print("String Length : "+str.length());

scan.close();

}

}

**Output:**

Enter String : Hello World!

String Length : 12

**2.**

**import** java.util.Scanner;

**public** **class** StrConcate {

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

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

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

System.***out***.print("Enter String1 : ");

String str1 = scan.nextLine();

System.***out***.print("Enter String2 : ");

String str2 = scan.nextLine();

System.***out***.println(str1+" "+str2);

String str = String.*join*(" ", str1,str2 );

System.***out***.println("String join Method : "+str);

String str3 = str1.concat(str2);

System.***out***.println("String concat Method : "+str3 );

scan.close();

}

}

**Output:**

Enter String1 : Hello

Enter String2 : How are you.

Hello How are you.

String join Method : Hello How are you.

String concat Method : HelloHow are you.

**3.**

**public** **class** StrOperations {

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

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

String str="Java String pool refers to collection of Strings which are stored in heap memory";

String s="Java String pool refers to collection of Strings which are stored in heap memory";

System.***out***.println("UpperCase : "+str.toUpperCase());

System.***out***.println("LowerCase : "+str.toLowerCase());

System.***out***.println(str.replace("a","$"));

System.***out***.println("Verify : "+str.contains("collection"));

System.***out***.println("Equal or Not : "+str.equals(str));

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

}

}

**Output:**

UpperCase : JAVA STRING POOL REFERS TO COLLECTION OF STRINGS WHICH ARE STORED IN HEAP MEMORY

LowerCase : java string pool refers to collection of strings which are stored in heap memory

J$v$ String pool refers to collection of Strings which $re stored in he$p memory

Verify : true

Equal or Not : true

true

**STRING BUFFER CLASS:**

**1.**

**public** **class** strBuffer {

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

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

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

sb.append("is a peer class of string ");

sb.append("that provides much of ");

sb.append("the functionality of strings.");

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

}

}

**Output:**

StringBuffer is a peer class of string that provides much of the functionality of strings.

**2.**

**public** **class** StrInsert {

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

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

StringBuffer sb=**new** StringBuffer("It is used to \_ at the specified index position.");

sb.replace(14,15,"insert text");

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

}

}

**Output:**

It is used to insert text at the specified index position.

**3.**

**public** **class** StrReverse {

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

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

StringBuffer sb=**new** StringBuffer("This method returns the reversed object on which it was called.");

sb.reverse();

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

}

}

**Output:**

.dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT

**STRING BULDER CLASS:**

**1.**

**public** **class** StrBuilder {

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

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

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

sb.append("is a peer class of string ");

sb.append("that provides much of ");

sb.append("the functionality of strings.");

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

}

}

**Output:**

StringBuffer is a peer class of string that provides much of the functionality of strings.

**2.**

**public** **class** StrBuildInsert {

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

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

StringBuilder sb=**new** StringBuilder("It is used to \_ at the specified index position.");

sb.replace(14,15,"insert text");

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

}

}

**Output:**

It is used to insert text at the specified index position.

**3.**

**public** **class** StrBuildReverse {

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

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

StringBuilder sb=**new** StringBuilder("This method returns the reversed object on which it was called.");

sb.reverse();

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

}

}

**Output:**

.dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT