1)

**package** assignment;

**public** **class** lengthOfString {

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

String str = "Hello world";

**int** count = str.length();

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

}

}

Output:

11

2)

**package** assignment;

**public** **class** Concatination {

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

String str = "Hello," + "How are you?";

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

}

}

Output: Hello,How are you?

3)

**package** assignment;

**public** **class** string {

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

String str1 ="Java String pool refers to collection of Strings which are stored in heap memory";

String str1Lower = str1.toLowerCase();

System.***out***.println(str1Lower);

String str1Upper = str1.toUpperCase();

System.***out***.println(str1Upper);

String replaceString = str1.replace("a" , "$");

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

System.***out***.println(str1.contains("collection"));

System.***out***.println(str1.contains("Java String pool refers to collection of Strings which are stored in heap memory"));

}

}

Output:

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

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

true

true

**Assignments on String buffer class**

1)

**public** **class** stringBuffer {

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

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

sb.append("is a peer class of String" + " that provides much of "+ " the functionality of strings");

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

}

}

Output:

StringBufferis a peer class of String that provides much of the functionality of strings

2)

**package** assignment;

**public** **class** StringBufferEx2 {

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

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

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

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

}

}

Output:

It is used to insert text at the specified index position

3)

**package** assignment;

**public** **class** StringBufferEx2 {

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

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

**Assignments on StringBuilder class**

1)

**public** **class** stringBuilder {

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

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

sb.append(" is a peer class of String" + " that provides much of "+ " the functionality of strings");

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

}

}

Output:

StringBuilder is a peer class of String that provides much of the functionality of strings

2)

**package** assignment;

**public** **class** stringBuilder {

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

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

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

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

}

}

Output:

It is used toinsert text at the specified index position

3)

**package** assignment;

**public** **class** stringBuilder {

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

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