**Assignments on String Class**

**Question 1**

**package** StringAssignments;

**public** **class** DetermineLength {

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

String str="Hello World";

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

}

}

**Question 2**

**package** StringAssignments;

**public** **class** Join {

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

String str1="Hello ";

String str2="How are you";

System.***out***.println("New Stirng:"+str1.concat(str2));

}

}

**Question 3**

**package** StringAssignments;

**public** **class** Stringpool {

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

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

//lowercase

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

//Uppercase

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

//Replace

System.***out***.println("Replace a with $:"+str.replace("a","$"));

//Contains

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

//match

System.***out***.println("Contains:"+str.contains("java string pool refers to collection of strings which are stored in heap memory"));

//equal

System.***out***.println("equals:"+str.equals("java string pool refers to collection of strings which are stored in heap memory"));

}

}

**Assignments on StringBuffer Class**

**package** StringAssignments;

**public** **class** StringBufferExample {

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

//append

StringBuffer buffer=**new** StringBuffer("StirngBuffer");

buffer.append(" is a peer class of String");

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

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

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

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

//insert

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

System.***out***.println("before insertion:"+b);

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

System.***out***.println("after insertion:"+b);

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

//reverse

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

System.***out***.println("Before reverse:"+a);

a.reverse();

System.***out***.println("After reverse:"+a);

}

}

**Assignments on StringBuilder Class**

**package** StringAssignments;

**public** **class** StringBuilderExample {

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

//append

StringBuilder builder=**new** StringBuilder("StirngBuffer");

builder.append(" is a peer class of String");

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

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

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

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

//insert

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

System.***out***.println("before insertion:"+b);

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

System.***out***.println("after insertion:"+b);

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

//reverse

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

System.***out***.println("Before reverse:"+a);

a.reverse();

System.***out***.println("After reverse:"+a);

}

}