**1.** **import** java.util.Scanner;

**public** **class** First{

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

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

String str = "Hello";

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

System.***out***.print(i);

}

}

**2.** **import** java.util.Scanner;

**public** **class** First {

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

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

String str = "Hello,";

String str1 = "How are you?";

System.***out***.print(str + str1);

}

}

**3.**

**a)**

**import** java.util.Scanner;

**public** **class** First {

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

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

String str = "Java is oop based";

System.***out***.print(str.toLowerCase());

}

}

**b.**

**import** java.util.Scanner;

**public** **class** First{

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

String str = "Java is oops based";

System.***out***.print(str.toUpperCase());

}

}

**c**

**import** java.util.Scanner;

**public** **class** First {

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

String str = "Java is oops basedy";

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

}

}

**d**

**import** java.util.Scanner;

**public** **class** First {

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

String str = "Java String is important";

**if**(str.contains("collection"))

{

System.***out***.print("Yes present");

}

**else**

{

System.***out***.print("No, the word is not here");

}

}

}

**e)**

**import** java.util.Scanner;

**public** **class** First {

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

String str = "Java iS sIMPLE";

String str1 = "java is simple";

**if**(str == str1)

{

System.***out***.print("Yes, Both the string are same");

}

**else**

{

System.***out***.print("No, Both the string are not same");

}

}

}

**f**

**import** java.util.Scanner;

**public** **class** First {

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

String str = "Java is simple";

String str1 = "java is simple";

String s= str.toLowerCase();

**if**(s.equals(str1))

{

System.***out***.print("Yes, Both the string are same");

}

**else**

{

System.***out***.print("No, Both the string are not same");

}

}

}

**StringBuffer Class:**

**1.** **import** java.util.Scanner;

**public** **class** First {

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

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

s.append(" is so simple");

s.append(" and gives");

s.append(" good features");

System.***out***.print(s);

}

}

**2.** **import** java.util.Scanner;

**public** **class** First {

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

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

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

System.***out***.print(s);

}

}

**3.** **import** java.util.Scanner;

**public** **class** First {

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

StringBuffer s = **new** StringBuffer("This is so simple");

s.reverse();

System.***out***.print(s);

}

}

**Output:**

**StringBuilder Class:**

**1.** **import** java.util.Scanner;

**public** **class** First {

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

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

s.append(" is a control of ");

s.append(" system");

s.append("basic ");

System.***out***.print(s);

}

}

**Output:**

**2.** **import** java.util.Scanner;

**public** **class** First {

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

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

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

System.***out***.print(s);

}

}

**3.** **import** java.util.Scanner;

**public** **class** First {

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

StringBuilder s = **new** StringBuilder("This method returns called");

s.reverse();

System.***out***.print(s);

}

}