```
/*
        NAME –  AMIT BANDU SWAMI
        ROLL NO :- 2221018
        CLASS -SE COMP
        ASSIGNMENT NO - 1
*/
```

```
public class Hello{
        public static void main(String[] args){
                System.out.println(“Hello World”);
        }
}
```

Output:

Hello World

```
public class add {
   public static void main (String args[])
{
int a = 3;
int b = 3;
System.out.println("a = " + a);
System.out.println("b =" + b);
int c = a + b;
System.out.println("Addition = " + c);
}}
```

o/p:

```
a = 3
b =3
Addition = 6
```

```
public class subtraction {
   public static void main (String args[])
{
int a = 10;
int b = 3;
System.out.println("a = " + a);
System.out.println("b =" + b);
int c = a - b;
System.out.println("Subtraction= " + c);
}}
```

```
a = 10
b =3
Subtraction= 7
```

```
public class multiplication {
   public static void main (String args[])
{
int a = 6;
int b = 9;
System.out.println("a = " + a);

System.out.println("b =" + b);
int c = a * b;
System.out.println("Multiplication= " + c);
}}
```

```
a = 6
b =9
Multiplication= 54
```

```
public class division {
   public static void main (String args[])
{
int a = 12;
int b = 3;
int c;
System.out.println("a = " + a);
System.out.println("b =" + b);
c = a/b;
System.out.println("division="+c);
}}
```

```
a = 12
b =3
division=4
```

```
public class operator {
   public static void main (String args[])
{
int a = 101;
int b = 301;
int c = 399;
a+=1;
b-=3;
c*=7;
System.out.println("a = " +a);
System.out.println("b = "+b);

System.out.println("c = "+c);
}}
```

```
a = 102
b = 298
c = 2793
```

```
public class operator2 {
   public static void main (String args[])
{
int a = 10;
int b = 30;
int c;
c=(a>b)?a:b;
System.out.println("c = " +c);
c=(a<b)?a:b;
System.out.println("c = " +c);}}
```

```
c = 30
c = 10
```

```
public class operator3 {
   public static void main(String args[])
{int a=10;
int flag=(a<0)?0:1;
if(flag==1)
System.out.println("Number is positive");
else
System.out.println("Number is negative");
}}
```

```
Number is positive
```

```
public class realtions {
   public static void main (String args[])
{
int a = 40;
int b = 20;
int c = 30;
System.out.println("a>b = " +(a>b));
System.out.println("a<b = "+(a<b));
System.out.println("a<=c = "+(a<=c));
System.out.println("c>b = " +(c>b));
System.out.println("a<c = "+(a<c));
System.out.println("b<=c = "+(b<=c));}}
```

```
a>b = true
a<b = false
a<=c = false
c>b = true
a<c = false
b<=c = true
```

```
public class logic {
   public static void main (String args[])
{
boolean a = false;
boolean b = false;
System.out.println("a||b = " +(a||b));
System.out.println("a&&b = "+(a&&b));
System.out.println("a! = "+(!a));
}}
```

```
a||b = false
a&&b = false
a! = true
```

```
public class forloop {
public static void main (String args[])
throws
Exception
{
int i;
System.out.println("list of 1 to 5 numbers");
for(i=1;i<=5;i++)
{
System.out.println(i);
}}}
```

```
list of 1 to 5 numbers
1
2
3
4
5
```

```
public class incdec {
```

```
    public static void main(String args[])
{int x=1;
int y=3;
int  u;
int z;
u=++y;
z=x++;
System.out.println(x);
System.out.println(y);
System.out.println(u);
System.out.println(z);
}}
```

```
2
4
4
1
```

```
public class st1 {
    public static void main(String args[]) {
String s =

"This is a demo of the getChars method.";

int start = 10;
int end = 14;
char buf[] = new char[end - start];
s.getChars(start, end, buf, 0);
System.out.println(buf);
}}
```

```
demo
```

```
public class st2 {
   public static void main(String args[]) {
String s1 ="Hello";
String s3 ="Good-bye";
String s2 ="Hello";
String s4 ="HELLO";

System.out.println(s1 + " equals " + s2 + " -> " + s1.equals(s2));
System.out.println(s1 + " equals " + s3 + " -> " + s1.equals(s3));
System.out.println(s1 + " equals " + s4 + " -> " + s1.equals(s4));
System.out.println(s1 + " equalsIgnoreCase " + s4 + " -> " +
s1.equalsIgnoreCase(s4));
}}
```

```
Hello equals Hello -> true
Hello equals Good-bye -> false
Hello equals HELLO -> false
Hello equalsIgnoreCase HELLO -> true
```

```
public class st3 {
   public static void main(String args[]) {String s1 ="Hello";
String s2 = new String(s1);
System.out.println(s1 + " equals " + s2 + " -> " + s1.equals(s2));
System.out.println(s1 + "==" + s2 + " -> " + (s1 == s2));

}}
```

```
Hello equals Hello -> true
Hello==Hello -> false
```

```
public class st4 {
static String arr[] = {"Now", "is","the","time","for",
"all","good","men","to","come","to","the","aid","of", "their","country"
```

```
};
public static void main(String args[]) {
for(int j = 0; j < arr.length; j++) {
for(int i = j + 1; i < arr.length; i++) {
if(arr[i].compareTo(arr[j]) < 0) {
String t = arr[j];
arr[j] = arr[i];
arr[i] = t;
} }
System.out.println(arr[j]);
} }}
```

```
Now
aid
all
come
country
for
good
is
men
of
the
the
their
time
to
to
```

```
public class string11 {
   public static void main(String args[]) {
StringBuffer sb = new StringBuffer("This is a test.");
sb.replace(5, 7, "was");
System.out.println("After replace: " + sb);
}}
```

```
After replace: This was a test.
```

```
public class stringcon {
   public static void main(String args[]) {
byte ascii[] = {65, 66, 67, 68, 69, 70 };
String s1 = new String(ascii);
System.out.println(s1);
String s2 = new String(ascii, 2, 3);
System.out.println(s2);
}}
```

```
ABCDEF
CDE
```

```
public class stringconcat {
   public static void main(String args[]) {
String longStr = "This could have been " +
"a very long line that would have " +
"wrapped around. But string concatenation " +
"prevents this.";
System.out.println(longStr);
}}
```

```
This could have been a very long line that would have wrapped around. But string concatenation prevents this.
```

```
public class stringconcat {
   public static void main(String args[]) {
String longStr = "This could have been " +
"a very long line that would have " +
"wrapped around. But string concatenation " +
"prevents this.";
System.out.println(longStr);
}}
```

```
buffer =Hello
length =5
capacity =21
```

```
public class searchstring {
   public static void main(String args[]) {
String s =
"Now is the time for all good men " +
"to come to the aid of their country.";

System.out.println(s);
System.out.println("indexOf(t) =" + s.indexOf('t'));
System.out.println("lastIndexOf(t) =" + s.lastIndexOf('t'));
System.out.println("indexOf(the) =" + s.indexOf("the"));
System.out.println("lastIndexOf(the) =" + s.lastIndexOf("the"));
System.out.println("indexOf(t, 10) =" + s.indexOf('t', 10));
System.out.println("lastIndexOf(t, 60) =" + s.lastIndexOf('t', 60));
System.out.println("indexOf(the, 10) =" + s.indexOf("the", 10));
System.out.println("lastIndexOf(the, 60) =" + s.lastIndexOf("the", 60));
}}
```

```
Now is the time for all good men to come to the aid of their country.
indexOf(t) =7
lastIndexOf(t) =65
indexOf(the) =7
lastIndexOf(the) =55
indexOf(t, 10) =11
lastIndexOf(t, 60) =55
indexOf(the, 10) =44
lastIndexOf(the, 60) =55
```