

# Programming in Java Lab



## *Lab 03: String Manipulations*

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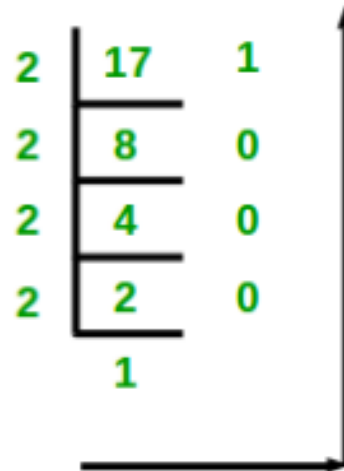
Course webpage

<http://www.mkbhandari.com/mkwiki>

# Program 5. Binary to Decimal



Decimal number : 17



Binary number: 10001

# String charAt( ) Method



// Java program to demonstrate the charAt( ) Method.

```
public class CharAtExample{  
  
    public static void main(String args[ ]){  
  
        String myCollege="ANDC Govindpuri";  
  
        char ch=myCollege.charAt(5);           //returns the char value at the 5th index  
  
        System.out.println(ch);  
  
    }  
  
}
```

# StringBuffer setCharAt( ) Method



// Java program to demonstrate the setCharAt() Method.

```
class SBSetCharAt {  
    public static void main(String[ ] args) {  
        // create a StringBuffer object with a String passed as parameter  
        StringBuffer str = new StringBuffer("Geeks For Geeks");  
  
        // print string  
        System.out.println("String = "+ str.toString());  
  
        // set char at index 4 to '0'  
        str.setCharAt(7, '0');  
  
        // print string  
        System.out.println("After setCharAt() String = "+ str.toString());  
    }  
}
```

# StringBuffer setLength( ) Method



// Java program to demonstrate the setLength() Method.

```
class SBSetLen {  
    public static void main(String[] args) {  
        // create a StringBuffer object with a String passed as parameter  
        StringBuffer str = new StringBuffer("WelcomeGeeks");  
  
        // print string  
        System.out.println("String length = "+ str.length() + "and contains = " + str);  
  
        // set length equal to 10  
        str.setLength(10);  
  
        // print string  
        System.out.println("After setLength() String = "+ str.toString());  
    }  
}
```

# StringBuffer append( ) Method



// The append() method concatenates the given argument with the string.

```
class SBAppend{
```

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

```
        StringBuffer sb=new StringBuffer("Hello ");
```

```
        sb.append("Java");
```

//now original string is changed

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

//prints Hello Java

```
    }
```

```
}
```

# StringBuffer insert( ) Method



//The insert() method inserts the given string with this string at the given position.

```
class SBInsert {  
  
    public static void main(String args[ ]) {  
  
        StringBuffer sb=new StringBuffer("Hello ");  
  
        sb.insert(1,"Java");                //now original string is changed  
  
        System.out.println(sb);            //prints HJavaello  
  
    }  
  
}
```

## R Reference for this topic

- [ Java The Complete Reference ]  
Book: Herbert Schildt, Ninth Edition
- [ GeeksforGeeks ]  
Web: <https://www.geeksforgeeks.org/java/>
- [ Java T Point tutorial ]  
Web: <https://www.javatpoint.com/java-tutorial>