

## Java Lab-8

July 7, 2021

5b. Write code to

```
package Strings;

public class strings_5bi {
    public static void main(String args[])
    {
        char[] arr={'a','b','c','d','e','f'};
        System.out.println(arr);
        String arr_str=new String(arr);
        System.out.println(arr_str);
        String sub_arr=new String(arr,2,3);
        System.out.println(sub_arr);
        String str_obj=new String(arr_str);
        System.out.println(str_obj);
    }
}
```

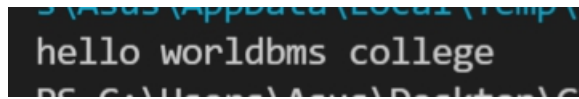
**Output:**

```
abcdef
abcdef
cde
abcdef
```

```
package Strings;

public class strings_5bii {
    public static void main(String args[])
    {
        String str1="hello world";
        String str2="bms college";
        String str=str1+str2;
        System.out.println(str);
    }
}
```

## Output:



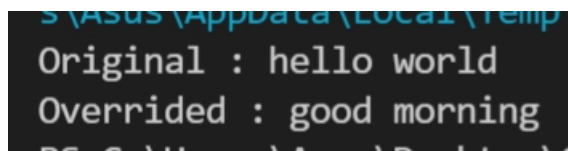
```
S (ASus (AppData (Local (Temp (
hello worldbms college
PS C:\Users\Arun\Desktop) G
```

```
package Strings;

class OverrideToString
{
    public String toString()
    {
        String str="good morning";
        return str;
    }
}

class strings_5biii
{
    public static void main(String args[])
    {
        OverrideToString o=new OverrideToString();
        String str="hello world";
        System.out.println("Original : "+str);
        str=o.toString();
        System.out.println("Overrided : "+str);
    }
}
```

## Output:



```
S (ASus (AppData (Local (Temp (
Original : hello world
Overrided : good morning
PS C:\Users\Arun\Desktop) G
```

```
package Strings;

public class strings_5biv {

    public static void main(String args[])
    {
        String str="hello";
        String x=new String(str.substring(0,2)+'v'+str.substring(3));
        System.out.println("Original : "+str);
        System.out.println("Replaced : "+x);
    }
}
```

**Output:**

```
Original : hello
Replaced : hevlo
```

```
package Strings;

public class strings_5bv {
    public static void main(String args[])
    {
        String str="This is java programming";
        int len=str.length();
        System.out.println(len);
        char[] ch=new char[len];
        str.getChars(0,len,ch,0);
        System.out.println(ch);
    }
}
```

**Output:**

```
24
This is java programming
```

```
package Strings;

public class strings_5bvi {
    public static void main(String args[])
    {
        String s1= "hello world";
        String s2= "hello world";
        String s3= "bms college";
        System.out.println("s1 == s2 : "+s1==s2);
        System.out.println("s1 == s3 : "+s1==s3);
        System.out.println("s1 equals s2 : "+s1.equals(s2));
        System.out.println("s1 equals s3 : "+s1.equals(s3));
        System.out.println("s1 comparing with s2 : "+s1.compareTo(s2));
        System.out.println("s1 comparing with s3 : "+s1.compareTo(s3));
    }
}
```

**Output:**

```
false
false
s1 equals s2 : true
s1 equals s3 : false
s1 comparing with s2 : 0
s1 comparing with s3 : 6
```

```
package Strings;

public class strings_5bvii {
    public static void main(String args[])
    {
        String s1="good morning";
        String s2="morning is started";
```

```
        System.out.println(s1.contains("good"));
        System.out.println(s2.contains("good"));
```

```
        //viii Extract a substring good in the string s2="good morning"
```

```
        String str="good morning";
        String substr=str.substring(0,4);
        System.out.println(substr);
```

```
        //ix Replace Hello with greetings in the given string s1="hello world"
        String h = "hello world";
        String replace=h.replace("hello","greetings");
        System.out.println(replace);
```

```
        //x Eliminate spaces in the string s1="Hello BMSCE Good Morning"
        String s="Hello BMSCE Good Morning";
        System.out.println(s.replaceAll(" ",""));
```

```
        // xi Join the string s1={ "xyz",24} with email id and phone number
        String s3[]={ "xyz","24"};
        String email=String.join("@","sunag",s3[0]);
        String no=String.join("","01234567",s3[1]);
        System.out.println(email);
        System.out.println(no);
    }
}
```

## Output:

```
true
false
good
greetings world
HelloBMSCEGoodMorning
sunag@xyz
0123456724
```

**6a Develop a program to create a Array list and perform operation on it.**

```
import java.util.*;
class JavaExample{
    public static void main(String args[]){
        ArrayList<String> alist=new ArrayList<String>();
        alist.add("Steve");
        alist.add("Tim");
        alist.add("Lucy");
        alist.add("Pat");
        alist.add("Angela");
        alist.add("Tom");
        //displaying elements
        System.out.println(alist);

        //Removing "Steve" and "Angela"
        alist.remove("Steve");
        alist.remove("Angela");

        //displaying elements
        System.out.println(alist);
```

```
        //Removing 3rd element
        alist.remove(2);
```

```
        //displaying elements
        System.out.println(alist);
```

```
        for(String str:alist)
            System.out.println(str);
```

```
        System.out.println(alist.size());
        alist.set(1,"xyzz");
```

```
        for(String str:alist)
```

```
System.out.println(str);  
System.out.println(alist.size());
```

```
        //Sorting the list  
        Collections.sort(alist);  
        //Traversing list through the for-each loop  
        for(String str:alist)  
            System.out.println(str);  
    }  
}
```

```
public class arrayList {  
  
}
```

## Output:

```
[Steve, Tim, Lucy, Pat, Angela, Tom]  
[Tim, Lucy, Pat, Tom]  
[Tim, Lucy, Tom]  
Tim  
Lucy  
Tom  
3  
Tim  
xyzz  
Tom  
3  
Tim  
Tom  
xyzz
```