Assignment:-3

1)WAP ON STRING METHOD

```
public class Stringmethods{
public static void main(String[] args)
{
String str1 = "helloo";
String str2 = "abhishek";
System.out.println("concatenaded string:"+ str1.concat(str2));
System.out.println("str1 equals 'hello:"+str1.equals("hello"));
System.out.println("index of 'l' in str1:"+str1.indexOf('l'));
System.out.println("str1 is empty:"+str1.isEmpty());
System.out.println("joined string:"+String.join("-",str1));
System.out.println("last index of 'l' in str1:"+str1.lastIndexOf('l'));
System.out.println("length of str1:"+str2.length());
String[] words ="this is a abhishek.".split(" "); System.out.println("words in
sentence:"); for(String word : words)
{
System.out.println(word);
}
System.out.println("substring of str1(1,4):"+str1.substring(1,4));
System.out.println("trimmed string:'"+"hello".trim() +"'");
System.out.println("replaced string:"+str1.replace('l','p'));
System.out.println("string lowercase:"+str1.toLowerCase());
System.out.println("string uppercase:"+str1.toUpperCase());
}
}
```

2)WAP ON STRING COMPARISION METHOD

```
public class Stringcomparisioninjava{ public static void main(String[] args) {
String str1 ="HELLO,ABHISHEK";
String str2 ="hello,abhishek";
System.out.println("equal ignore case:"+str1.equalsIgnoreCase(str2));
System.out.println("region matches:"+str1.regionMatches(true, 0, str2,
0,str1.length()));
}}
```

3)WAP ON STRING BUFFER METHODS

```
public class StringBufferaMethods{ public static void main(String[] args) {
StringBuffer sb = new StringBuffer("hello abhishek"); sb.append("how are you");
System.out.println("APPend:"+ sb); sb.insert(6, "good");
System.out.println("insert:"+sb); sb.reverse();
System.out.println("reverse:"+sb); sb.setCharAt(0,'d');
System.out.println("setcharat:"+sb); sb.substring(1, 2);
System.out.println("substring:"+sb); sb.delete(2,3);
System.out.println("DELETE:"+sb); sb.length();
System.out.println("length:"+sb); sb.capacity();
System.out.println("capacity:"+sb); }}
```

4)WAP TO EXCEPTION HANDLERS. 1.try 2.catch 3.throw 4.throws 5.finally

```
public class ExceptionHandlingExample {
public static void checkAge(int age) throws Exception { if (age < 18) {
throw new Exception("Age must be 18 or older.");
} else {
System.out.println("Access granted. You are old enough.");
}}    public static void main(String[] args) {
try {
checkAge(15);
} catch (Exception e) {
System.out.println("Exception caught: " + e.getMessage());
} finally {
System.out.println("Execution of the try-catch block is complete.");   } try {
checkAge(20);
} catch (Exception e) {
```

```
System.out.println("Exception caught: " + e.getMessage());
} finally {
System.out.println("Execution of the second try-catch block is complete.");}}}
```