**Program-1**

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

**int** arr[]= {2,43,22,33,55,66,77,88,9,15};

**int** temp;

**for**(**int** i=0; i<arr.length; i++) {

**for**(**int** j=i+1; j<arr.length; j++) {

**if**(arr[i]>arr[j]) {

temp=arr[j];

arr[j]=arr[i];

arr[i]=temp;

}

}

}

System.***out***.println(arr[arr.length-2]);

}

}

**Program-2**

**public class Contains7 {**

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

**for(int num=1; num<=100; num++) {**

**if(*containsSeven*(num)) {**

**System.*out*.print(num +"," );**

**}**

**}**

**}**

**public static boolean containsSeven(int number) {**

**String numstr=String.*valueOf*(number);**

**return numstr.contains("7");**

**}**

**}**

Program-3:

**package** Base\_components;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.Comparator;

**import** java.util.List;

**public** **class** Sort\_string {

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

String input="This is a sample string";

*sortWordsByLength*(input);

}

**public** **static** **void** sortWordsByLength(String input) {

String[] words=input.split("");

List<String>wordlist=Arrays.*asList*(words);

Collections.*sort*(wordlist, Comparator.*comparingInt*(String::length));

**for**(String word:wordlist) {

System.***out***.println(word);

}

}

}

Selenium:

**Drop down syntax:**

Select st=new Select();

st.selectByVisibleText();

st.selectByIndex();

st.selectByValue();

**Window Handling:**

String parent=driver.getWindowHandle();

Set<String> s=driver.getWindowHandles();

Iterator<String> I=s.iterator();

While(I.hasNext()){

String child=I.next();

If(!parent.equals(child)){

driver.switchTo().window(child);

**Scroll up & Scroll down:**

JavascriptExecutor js=(JavascriptExecutor)driver;

Scroll up

Js.executeScript(“arguments[0].scrollBy(0,1000)”, ””);

Scroll down

Js.executeScript(“arguments[0].scrollBy(0,-1000)”, ””);

**Take ScreenShot:**

File f1=((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

FileUtils.copyFile(f1,newFile());

**Focus on Element**:

JavascriptExecutor js=(JavascriptExecutor)driver;

js.executeScript("arguments[0].scrollIntoView();", Element);