Go to Sett

```
package ap 3;
import java.util.Arrays;
public class ExponentialSearch {
       public static void main(String[] args){
          int[] arr = \{9,18,27,36,45\};
          int length= arr.length;
          int value = 36;
          int result = exponentialSearch(arr,length,value);
          if(result<0){
           System. out. println( "Element is not present in the Array");
            System.out.println( "Element is present in the array at index :"+result);
          }
            public static int exponentialSearch(int[] arr ,int length, int value ){
            if(arr[0]==value){
               return 0;
              }
            int i=1;
            while(i<length && arr[i]<=value){
               i=i*2;
            return Arrays.binarySearch(arr,i/2,Math.min(i,length),value);
       }
                                                  Console X
 <terminated> ExponentialSearch [Java Application] C:\Users\Meljo\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.fu
 Element is present in the array at index :3
                                                                                            Activate
```