# Daily Work Practice – Date:- 10/8/2023

## Program:- Search Insert Position

```
package com.ishwarchavan;

public class SearchInsertPosition {

	public static void main(String[] args) {  //main program started here
		int nums[]= {1,3,5,6};              //initialize and declararing variables

		int target = 5;
		int position =0;        //store the output index position

		boolean flag=false;
	for(int i=0;i<nums.length; i++){ //for loop for comparing one by one target value

	if(nums[i] >=target) {  //if the index value is greater than the target value

			position= i;

			flag = true;  //if flag is equal to true then break the loops
				break;
			}
		}
		System.out.println(flag?position:nums.length);  //output display with
ternary operator
	}
}
```

## Program:- Substring With Concatenation Of All Words

```
package com.ishwarchavan;

import java.util.ArrayList;
import java.util.Arrays;
import java.util.HashMap;
import java.util.List;

public class SubstringWithConcatenationOfAllWords {

	public static ArrayList<Integer>findSubstring(String A, final List<String> B){
	//parameter is passing with findSubstring function
		int size_word = B.get(0).length();         // Number of a characters of a
word in list L

		int word_count = B.size();    //number of a word present

		int size_1 =size_word * word_count; //total character is present store in
size_1 variable

		ArrayList<Integer> res = new ArrayList<Integer>();    //new arraylist
instance is created
		int n = A.length();

		if (size_1> n) {  //if this condition is satisfied then returen res
instance
			return res;
		}
```

```
            HashMap<String, Integer> hashMap = new HashMap<String, Integer>();
      //map store the present word in list l
            for(String word : B) {
                  hashMap.put(word, hashMap.getOrDefault(word,0)+1);

            }
            for(int i=0; i<=n - size_1; i++) {
                  HashMap<String, Integer> tempMap = (HashMap<String, Integer>)
hashMap.clone();
                  int j=i, count= word_count;

                  while(j < i + size_1) {
//traverse the substring here

                        String word = A.substring(j,j + size_word);
//extracting the word

                        if ( ! hashMap.containsKey(word)|| tempMap.get(word)==0) {
      //if word not found or satisfied if condition then break the loop
                              break;

                        }
                                    else {
                                          //otherwise execute this statemnet

                              tempMap.put(word, tempMap.get(word) -1);
                              count--;          //decremlent the count of word
                        }
                          j += size_word;
                  }
                   if(count == 0) {       //if satsifeid then add(i) to res instance
                         res.add(i);
                   }
            }
            return res;                                       //return the res
      }
      public static void main(String[] args) {              //main program started
            String S= "barfoothefoobarman";
            ArrayList<String> L= new ArrayList<> (Arrays.asList("foo", "bar"));
            ArrayList<Integer> indices = findSubstring( S,L);
            for(Integer i : indices) {
                  System.out.println(i);
            }
      }
}
```