Ex1

public static void insert10(Stack<Integer> a)

 {

 Scanner s = new Scanner(System.in);

 System.out.println("Enter 10 numbers: ");

 for (int i = 0; i < 10; i++) {

 a.push(s.nextInt());

 }

 }

EX2

 public static int sumAll(Stack<Integer> a)

 {

 int sum =0;

 for (int num : a) {

 sum+= num;

 }

 return sum;

 }

 Ex3

 public static int sumGT20(Stack<Integer> a)

 {

 int sum =0;

 for (int num : a) {

 if(num >20)

 sum+= num;

 }

 return sum;

 }

 Ex4

 public static int minMethod(Stack<Integer> a)

 {

 int min =a.peek();

 for (int num:a) {

 if(num<min)

 {

 min = num;

 }

 }

 return min;

 }

 Ex5

 public static int maxSum(Stack<Integer> a, Stack<Integer> b)

 {

 int sum1 =0;

 int sum2 =0;

 for (int num : a) {

 sum1+= num;

 }

 for (int num : b) {

 sum2+= num;

 }

 if(sum1>sum2)

 return sum1;

 else

 return sum2;

 }

 Ex6

public static boolean search(Stack<String> a,String item)

 {

 return a.contains(item);

 }

Ex7

public static int maxItemlength(Stack<String> a)

 {

 int max = 0;

 for (String item : a) {

 if(item.length()>max)

 max = item.length();

 }

 return max;

 }