Ex1:

public static void insert10(ArrayList<Integer> a)

 {

 Scanner s = new Scanner(System.in);

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

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

 a.add(s.nextInt());

 }

 }

 EX2:

 public static int sumAll(ArrayList<Integer> a)

 {

 int sum =0;

 for (int num : a) {

 sum+= num;

 }

 return sum;

 }

 EX3:

 public static int sumGT20(ArrayList<Integer> a)

 {

 int sum =0;

 for (int num : a) {

 if(num >20)

 sum+= num;

 }

 return sum;

 }

EX4:

 public static int minMethod(ArrayList<Integer> a)

 {

 int min =a.get(0);

 for (int i = 0; i < a.size(); i++) {

 if(a.get(i)<min)

 {

 min = a.get(i);

 }

 }

 return min;

 }

 EX5:

 public static int maxSum(ArrayList<Integer> a, ArrayList<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;

 }

EX:6

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

 {

 return a.contains(item);

 }

EX7:

 public static int maxItemlength(ArrayList<String> a)

 {

 int max = 0;

 for (String item : a) {

 if(item.length()>max)

 max = item.length();

 }

 return max;

 }

EX8:

 public static void enterPerson(ArrayList<Person> a)

 {

 Scanner s = new Scanner(System.in);

 String name;

 int age;

 for (int i = 0; i < 4; i++) {

 System.out.println("enter name: ");

 name = s.next();

 System.out.println("enter age: ");

 age = s.nextInt();

 a.add(new Person(name,age));

 }

 }

 public static void printPerson(ArrayList<Person> a)

 {

 for(Person p:a){

 System.out.println("name: "+p.name+", Age: "+p.age);

 }

 }

 public static int ageLT25(ArrayList<Person> a)

 {

 int count =0;

 for(Person p:a){

 if(p.age<25)

 count++;

 }

 return count;

 }

 public static void inc5(ArrayList<Person> a)

 {

 for(Person p:a){

 p.age+=5;

 }

}