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;

}

}