1. Create an array of 10 elements and print them using the for each loop.

**package** com.ust.assessment1;

//Create an array of 10 elements and print them using the for each loop.

**public** **class** Assessment1 {

**public** **static** **void** main(String[] args) {

**int** a[]= {2,4,6,8,10,12,14,16,18,20};

System.***out***.println("The array contains:");

**for**(**int** n: a) {

System.***out***.println(n);

}

}

}



1. Take the number input from the console and add all the positive numbers. (not to consider the negative number if entered)

**package** com.ust.assessment1;

**import** java.util.Scanner;

//Take the number input from the console and add all the positive numbers.

//(not to consider the negative number if entered)

**public** **class** Assessment2 {

**public** **static** **void** main(String[] args) {

Scanner scan = **new** Scanner(System.***in***);

System.***out***.print("Enter size of the array: ");

**int** n = scan.nextInt();

// create an array of size n

**int** numbers[] = **new** **int**[n];

System.***out***.println("Enter array elements: ");

**for** (**int** i = 0; i < n; ++i) {

numbers[i] = scan.nextInt();

}

//

**int** sum = *positiveSum*(numbers);

System.***out***.println("Sum of positive numbers = " + sum);

scan.close();

}

// method to add positive numbers

**public** **static** **int** positiveSum(**int**[] numbers) {

**int** sum = 0;

**for** (**int** i : numbers) {

**if**(i >= 0)

sum += i;

}

**return** sum;

}

}



1. Create a labeled break and write a simple logic and execute the program.

**package** com.ust.assessment1;

//Create a labeled break and write a simple logic and execute the program.

**public** **class** Assessment3 {

**public** **static** **void** main(String[] args) {

**int** i=1;

loop1:

**while**(i<10)

{

**if**(i==5)

**break** loop1;

System.***out***.println("i ="+i);

i++;

}

System.***out***.println("exited from the loop");

}

}



1. Do the addition of around 10 even numbers, but use the continue statement in the logic.

**package** com.ust.assessment1;

**import** java.util.Scanner;

//Do the addition of around 10 even numbers, but use the continue statement in the logic.

**public** **class** Assessment4 {

**public** **static** **void** main(String[] args) {

**int** n, sum=0;

Scanner s = **new** Scanner(System.***in***);

System.***out***.print("Enter the number of elements in array:");

n = s.nextInt();

**int**[] a = **new** **int**[n];

System.***out***.println("Enter the elements of the array:");

**for**(**int** i = 0; i < n; i++)

{

**if**(s.nextInt()%2==0)

**continue**;

a[i] = s.nextInt();

}

s.close();

System.***out***.println("Sum of Even numbers:");

**for**(**int** x: a) {

sum= sum+x;

}

System.***out***.println(sum);

}

}

