1). package forloop;

public class NestedLoop {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int i = 1, j = 1;

// outer loop

while (i <= 3) {

System.***out***.println("Outer Loop: " + i);

// inner loop

while(j <= 3) {

if(j == 2) {

j++;

continue;

}

System.***out***.println("Inner Loop: " + j);

j++;

}

i++;

}

}

}

Output Outer Loop: 1

Inner Loop: 1

Inner Loop: 3

Outer Loop: 2

Outer Loop: 3

2. package forloop;

public class BreakStatement {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

// for loop

for (int i = 1; i <= 10; ++i) {

// if the value of i is 5 the loop terminates

if (i == 5) {

break;

}

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

}

}

}

Output

1

2

3

4

3. package forloop;

public class ForLoop1 {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int n = 5;

// for loop

for (int i = 1; i <= n; ++i) {

System.***out***.println("Java is fun");

}

}

}

Output

Java is fun

Java is fun

Java is fun

Java is fun

Java is fun

4. package forloop;

public class ForLoop2 {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int sum = 0;

int n = 1000;

// for loop

for (int i = 1; i <= n; ++i) {

// body inside for loop

sum += i; // sum = sum + i

}

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

}

}

Output

Sum = 500500

5. package forloop;

public class JavaContinue {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

// for loop

for (int i = 1; i <= 10; ++i) {

// if value of i is between 4 and 9

// continue is executed

if (i > 4 && i < 9) {

continue;

}

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

}

}

}

Output

1

2

3

4

9

10

6. package forloop;

public class NestedLoop {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int i = 1, j = 1;

// outer loop

while (i <= 3) {

System.***out***.println("Outer Loop: " + i);

// inner loop

while(j <= 3) {

if(j == 2) {

j++;

continue;

}

System.***out***.println("Inner Loop: " + j);

j++;

}

i++;

}

}

}

Output

Outer Loop: 1

Inner Loop: 1

Inner Loop: 3

Outer Loop: 2

Outer Loop: 3

7. package foreachloop;

public class PrintArrayElements {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

// create an array

int[] numbers = {3, 7, 5, -5};

// iterating through the array

for (int number: numbers) {

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

}

}

}

Output

3

7

5

-5

8. package foreachloop;

import java.util.Scanner;

public class WhileLoop {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int sum = 0;

// create an object of Scanner class

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

// take integer input from the user

System.***out***.println("Enter a number");

int number = input.nextInt();

// while loop continues

// until entered number is positive

while (number >= 0) {

// add only positive numbers

sum += number;

System.***out***.println("Enter a number");

number = input.nextInt();

}

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

input.close();

}

}

Output

Enter a number

40

Enter a number

30

Enter a number

20

Enter a number

10

Enter a number

5

Enter a number

6

Enter a number

7

Enter a number

9

Enter a number

6

Enter a number

7

Enter a number

7

Enter a number

7

Enter a number

7

Enter a number