For loop

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface

Description automatically generated with medium confidence

public class Test {  
 public static void main(String[] args) {  
 int[]arr={1,5,8,10,2,3,-5,-10,20};  
 int[]newArr=new int[arr.length];  
 for (int i=0;i<arr.length; i++){  
 newArr[newArr.length-1-i]=arr[i];  
 }  
 for (int i=0; i<newArr.length;i++){  
 System.*out*.println(newArr[i]);  
 }  
 }  
}

output: 20 -10 -5 3 2 10 8 5 1

Enhanced for loopGraphical user interface, text, application, email

Description automatically generated

Graphical user interface, text

Description automatically generated with medium confidence

While loop

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Do-while loop

Text

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public class Test {  
 public static void main(String[] args) {  
 int[]arr={1,5,8,10,2,3,-5,-10,20};  
 int i=0;  
 int minimum=arr[0];  
 do{  
 if (arr[i]<minimum){  
 minimum=arr[i];  
 }  
 i++;  
 }  
 while (i<arr.length);  
 System.*out*.println(minimum);  
 }  
}

output: -10

Counter-controlled loop

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Description automatically generated

public class Test {  
 public static void main(String[] args) {  
 int count=0;  
 for (int i=1;i<=1000000;i++){  
 if ((i%7==0 && i%19!=0)||(i%19==0 && i%7!=0)){  
 count++;  
 }  
 }  
 System.*out*.println(count);  
 }  
}

Sentinel-controlled loop

Graphical user interface, text, application, email

Description automatically generated

public class Test {  
 public static void main(String[] args) {  
 int totalRepeat = 0;  
 int number = 1;  
 int count = 0;  
 while (totalRepeat < 2000 && count <= 1000) {  
 if ((number %7==0&&number %19!= 0)||(number%19==0&&number%7!=0)){  
 count++;  
 }  
 totalRepeat++;  
 number++;  
 }  
 System.*out*.println(totalRepeat);  
 System.*out*.println(count);  
 }  
}

output:

2000

360