

Java  
for loop worksheet #1

Name –

Trace the following loops **and show the output**. Write "error" or "infinite loop" where appropriate.

1. i  
for (int i = 8; i > 1; i -= 2)  
    System.out.println(i);

2. i  
for (int i = 0; i < 3; i++)  
    System.out.println(i + 1);

3. i  
for (int i = 5; i > 1; i--)  
{  
    if (i == 2)  
        break;  
    System.out.println(i);  
}

4. i  
for (int i = 1; i < 5; i++)  
{  
    if (i == 2)  
        continue;  
    System.out.println(i);  
}

5. num i  
int num = 0;  
  
for (int i = 5; i > 0; i--)  
{  
    if (i % 2 == 1)  
        num += i;  
}  
  
System.out.println(num);

6. i  
for (int i = 1; i < 4; i++)  
    System.out.println(i);  
    System.out.println("bye");

7. i  
for (int i = 0; i < 6; i = (i + 2) / 2)  
    System.out.println(i + 1);