CSC 150 Fall 2010 Worksheet to work on loops (while, do while and for)

What does each code segment output?

1)  
   int count = 0;
   
   while (count < 5)  
   {  
      cout << count++ << " ";
   }  
   
   Output: 0 1 2 3 4

2)  
   int count = 5;
   
   while (count > 0)  
   {  
      cout << count-- << " ";
   }  
   cout << "Hello World!" << endl;
   
   Output: 5 4 3 2 1 Hello World!

3)  
   int count = 0;
   
   do  
   {  
      cout << count++ << " ";
   } while (count <= 5);
   
   Output: 0 1 2 3 4 5

4)  
   int count = 0;
   
   do  
   {  
      cout << count + 3 << " ";
      count++;
   } while (count < 5);
   
   Output: 3 4 5 6 7

5)  
   int j;
   
   for (j = 0; j < 5; j++)  
   {  
      cout << j << " ";
   }  
   
   Output: 0 1 2 3 4

6)  
   int i;
for ( i = 0; i < 5; i++)
    cout << i - 2 << " ";

Output: -2 -1 0 1 2

7)
for(int i = 0; i < 6; ++i)
{
    for(int j = 0; j < i; ++j)
        cout << "*";
    cout << "\n"
}

Output:
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