Programming Output

Name: _____   **Date:** _____

Section: Student ID 20539914 _____

For each of the given program segments, read the code and write the output in the space provided below each program. [*Note:* Do not execute these programs on a computer.]

For the following questions, assume that the code segments are contained within the `main` method of a Java application.

For questions 27–30, use the following code segment:

```
1   int startingValue;
2   int terminatingValue;
3   int stepValue;
4
5   for ( int i = startingValue; i < terminatingValue; i += stepValue )
6      System.out.printf( "%d ", i );
```

27. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = 0;
2   terminatingValue = 5;
3   stepValue = 1;
```

Your answer:

28. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = -3;
2   terminatingValue = 2;
3   stepValue = 1;
```

Your answer:

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29. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = 6;
2   terminatingValue = 5;
3   stepValue = 1;
```

Your answer:

30. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = 0;
2   terminatingValue = 5;
3   stepValue = 3;
```

Your answer:

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For questions 31–35, use the following class definition:

```java
int startingValue;
int terminatingValue;
int stepValue;

for ( int i = startingValue; i <= terminatingValue; i += stepValue )
{
   switch( i )
   {
      case 0:
         System.out.print( "Hello there, " );
         break;
      case 1:
         System.out.println( "What's up? " );
         break;
      case 2:
         System.out.println( "How are you doing? " );
         break;
      case 3:
         System.out.println( "Terrific. " );
         break;
      case 4:
         System.out.println( "Beautiful day isn't it? " );
         break;
      case 5:
         System.out.println( "Yes it is. " );
         break;
      default:
         System.out.println( "See you later. " );
   } // end switch
} // end for
```

31. What will be the output if the following code is placed at line 4 of the preceding class definition?

```java
startingValue = 0;
terminatingValue = 6;
stepValue = 2;
```

Your answer:

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32. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = 0;
2   terminatingValue = 6;
3   stepValue = 3;
```

Your answer:

33. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = -3;
2   terminatingValue = 2;
3   stepValue = 1;
```

Your answer:

34. What will be the output if the following code is placed at line 4 of the preceding code?

```
1   startingValue = -5;
2   terminatingValue = 1;
3   stepValue = 2;
```

Your answer:

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35. What will be the output if the following code is placed at line 4 of the preceding code?

```
1  startingValue = 10;
2  terminatingValue = 5;
3  stepValue = 1;
```

Your answer:

36. What is output by the following code segment?

```
1   for ( int i = 0; i <= 11; i++ )
2   {
3      if ( i % 2 == 0 )
4          continue;
5
6      if ( i == 11 )
7          break;
8
9      System.out.printf( "%d ", i );
10  } // end for
```

Your answer: