Programming Concepts

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| **Program A** | | **Program B** |
| 01  02  03  04  05  06  07  08  09  10  11 | Repeat ← True  WHILE Repeat = True  INPUT Num1  INPUT Num2  Total ← Num1 + Num2  OUTPUT Total  INPUT Choice  IF Choice = "N" THEN  Repeat ← False  ENDIF  ENDWHILE | INPUT Num  FOR Index ← 1 TO Num  PRINT "Hello"  ENDFOR |

1. Give the line numbers of a sequence in Program A (1)

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2. Give the line number where repetition occurs in Program A (1)

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3. Give the line number where repetition occurs in Program B (1)

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4. Give the line number where selection occurs in Program A. (1)

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5. Which program features a count-controlled loop? (1)

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6. Which program features a condition-controlled loop? (1)

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7. Describe the purpose of Program A. (3)

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8. Describe the purpose of Program B. (2)

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9. Identify the comparison operators. (6)

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| **>** |  |
| **<** |  |
| **≥** |  |
| **≤** |  |
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10. Design an algorithm in pseudocode that will count down from 20 to 1. (4)

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