**Q: What will be the output (with justifications) of the followings.**

**Program # 1**

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| **Line #** | **Python Code** |
| 1 | data = 50 |
| 2 | try: |
| 3 | data = data/0 |
| 4 | except ZeroDivisionError: |
| 5 | print(‘Cannot divide by 0’, end = ’’) |
| 6 | else: |
| 7 | print(‘Division successful’, end = ‘’) |
| 8 |  |
| 9 | try: |
| 10 | data = data/5 |
| 11 | except: |
| 12 | print(‘Inside except block’, end = ‘’) |
| 13 | else: |
| 14 | print(‘GFG’, end = ‘’) |

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| **Output:**  Cannot divide by 0GFG |
| **Justification:** When 1st try block would be executed ZeroDivisionError would occur, hence except block will be executed and ‘Cannot divide by 0’ would be printed. On the second try block no error occurs and if there is no error in try block, then else block executed, hence ‘GFC’ would also be printed. |

**Program # 2**

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| **Line #** | **Python Code** |
| 1 | value = [1, 2, 3, 4] |
| 2 | data = 0 |
| 3 | try: |
| 4 | data = value[3] |
| 5 | except IndexError: |
| 6 | print(‘CSIT IndexError’, end = ‘’) |
| 7 | except: |
| 8 | print(‘NEDUET IndexError’, end = ‘’) |
| 9 | finally: |
| 10 | print(‘Python IndexError’, end = ‘’) |
| 11 |  |
| 12 | data = 10 |
| 13 | try: |
| 14 | data = data/0 |
| 15 | except ZeroDivisionError: |
| 16 | print(‘CSIT ZeroDivisionError’, end = ‘’) |
| 17 | finally: |
| 18 | print(‘Python ZeroDivisionError’, end = ‘’) |

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| **Output:**  Python IndexErrorCSIT ZeroDivisionErrorPython ZeroDivisionError |
| **Justification:** Since in the first try block there is no generic or zero division error, the except block will not be executed, finally always executes in any case so ‘Python IndexError’ would be printed. There is an error in the 2nd try block so ‘CSIT ZeroDivisionError’ will be printed, then finally will execute and ‘Python ZeroDivisionError’ will be printed. |