**Problem #1**

**GCD**

In this problem your input is 2 non-negative numbers *a* and *b*. You need to output the GCD (Greatest Common Divisor) of *a* and *b***.** Recall your elementary math’s knowledge on how to compute GCD and simply convert the logic into code.

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| 10 35  20 10  27 29  0 5 | 5  10  1  5 |

**Problem #2**

**Maclaurin series**

In this problem, your input is a real number *x,* which represents an angle in degree. You need to apply Maclaurin series expansion to compute the value of . Use the first 100 items from the infinite series. Print 6 digits after the decimal point in your output. Recall that, the expansion is as follows (where x is expressed in radian):

See the following example (minor precision error would be acceptable):

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| 60  85  0  -210 | 0.500000  0.087156  1.000000  -0.866025 |