

Sequences and Series Problems

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AP Computer Science A

In eclipse, make a new project called SequencesAndSeries with a main method. In your main method. Try to write code segments that accomplish the following tasks:

1) Print out the following:

a) the sequence 1, 5, 9, 13, ..., 41

b) the first 100 numbers in the sequence 1, 4, 9, 16, 25, ...

c) all the numbers in this sequence that are less than 1,000,000: 2, 4, 8, 16, ...

2) Print out the following:

a) the sum of the terms in this sequence: -3, -8, -13, -18, ..., -58

b) the product of the first 10 terms in this sequence: 1, -2, 3, -4, ...

3) Didn't finish your Loops Practice from last week? Do that now!