

Answer to the Looping Exercises

```
void setup() {  
  println("Problem #1: ",CoolEuler(100) - PI*PI/6);  
  println("Problem #2: ",Harmony(12));  
  AllOfThem();  
}
```

Problem #1: -0.009950161

Problem #2: 91329

11

13

17

19

23

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31

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41

43

47

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59

61

67

71

73

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83

89

97

2 3 5 7

```
float CoolEuler(int n) {
    float sub = 0.;
    int i;
    for ( i = 1; i <= n; ++i)
        sub += 1./(i*i);
    return sub;
}
```

```
int Harmony(float sm_max) {
    float sm = 0.;
    int n = 1;
    while (sm < sm_max) {
        sm += 1./n;
        n += 1;
    }
    return n;
}
```

```
void AllOfThem() {
    for (int i = 2; i <= 100; ++i) {
        if ((i%2 > 0) && (i%3 > 0) && (i%5 > 0) && (i%7 > 0))
            println(i);
    }
    println(2,3,5,7);
}
```