

## Programming Project 1

Write a program that computes the sum

$$s = \sum_{i=1}^{1000} x$$

where  $x = 0.1$

Compute the sum twice: Once with variables for  $s$  and  $x$  declared float, once with variables declared double. Calculate the error in each sum  $1000.0 - s$ . You may wish to use these declarations:

```
float sf, xf = 0.1f; double sd, xd = 0.1;
```