Quiz #6

Time: 10 minutes

9 July 1992

0. What's your name?

Here's a loop:

```
long int n;

n = 2;
printf("Powers of 2 up to 1,000,000.\n");
while (n < 1000000) {
  printf("%ld\n", n);
  n *= 2;
}
```

It prints out all the powers of 2 between 2 and 1,000,000.

1. Write an equivalent loop using do–while instead of while.

2. Write an equivalent loop using for instead of while.

3. Which of the three loop constructs do you think is best for this example? Why?