

1. Write a `for()` loop that iterates 5 times.

2. Write a `while()` loop that iterates 5 times.

3. What is the output of the following code?

```
int x[4];

x[0] = 83;
x[1] = 29;
x[2] = 70;
x[3] = x[1] + x[2];

cout << x[2] << endl << x[2+1] << endl << x[2]+1;
```