

### Exam 3: Loops

1. Write a program in C++ to find the sum of first 10 natural numbers. Go to the editor

Sample Output:

The natural numbers are:

1 2 3 4 5 6 7 8 9 10

The sum of first 10 natural numbers: 55

2. Which of the following is the proper syntax of a for loop in C++?

- a) `for (int i = 0; i < 12) { }`
- b) `for (int j = 0; j < 12; j++) { }`
- c) `for(int q; q<j; ++)` { }
- d) `for(int; int j++; j < 3) { }`

3. If you wanted to start from 100 and loop to 3 in C++, what syntax should be used?

- a) `for(int i = 0; i < 100; i+3) { }`
- b) `for(int i = 3; i > 100; i--) { }`
- c) `for(int i = 100; i < 3; i++) { }`
- d) `for(int i = 100; i > 3; i--) { }`

4. Use a **for** loop to print "Yes" 5 times:

```
 (int i = 0; i < 5; ) {  
    cout <<  << "\n";  
}
```