# COMPUTER LABORATORY 5

Task 1: Copy the given below. Save (as trigo.cpp), compile and run it.

```
// Trigonometric Table
#include <iostream>
#include <cmath>
using namespace std;

int main()
{
    cout.precision(3);
    cout << fixed;
    for (int deg = 0; deg <= 90; deg += 5)
    {
        double x = deg * M_PI / 180.0;
        cout << deg << '\t' << sin(x) << '\t' << cos(x) << endl;
    }
    return 0;
}
```

**Task 2:** Write a program that, when given an integer *n*, prints out yes if *n* is a prime; otherwise prints out no.

```
Examples : 7  -> yes
           72 -> no
Output should look exactly this:
>Please enter an integer:
>2
>yes
```

**Task 3:** Write a program that, when given an integer *n*, prints out the *n*th Schillaci number (sn). (Schillaci numbers are defined as s1=3, s2=4, and for i>2, si=si-1+si-2 . The first 6 Schillaci numbers are 3, 4, 7, 11, 18, 29.)

```
Examples : 6 -> 29
           7 -> 47
Output should look exactly this:
>Please enter an integer:
>8
>76
```