# A Mid Term Report on
# USB Oscilloscope Project

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# Outline

# Introduction

- USB Based Oscilloscope.

- Converts analog signal to digital, sends them to PC and

- Displays The waveform in computer screen.

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# Objectives
Why is the project being carried out?

1. To accomplish the IOE course requirement.
2. To integrate hardware and software firmly.
3. To make life easy for students and researchers providing them with cheap oscilloscope.
4. Make a useful embeded system, not just a project for shake of project

To increase team collabration and carry out group project

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# What is so special about this oscilloscope?

### Answered Questions

How many primes are there?

### Open Questions

Is every even number the sum of two primes?

# What's Still To Do?

### Answered Questions

How many primes are there?

### Open Questions

Is every even number the sum of two primes?

## An Algorithm For Finding Primes Numbers.

```cpp
int main (void)
{
    std::vector<bool> is_prime (100, true);
    for (int i = 2; i < 100; i++)
    if (is_prime[i])
    {
        std::cout << i << " ";
        for (int j=i;j<100;is_prime[j]=false, j+=i);
    }
    return 0;
}
```

Note the use of std::.

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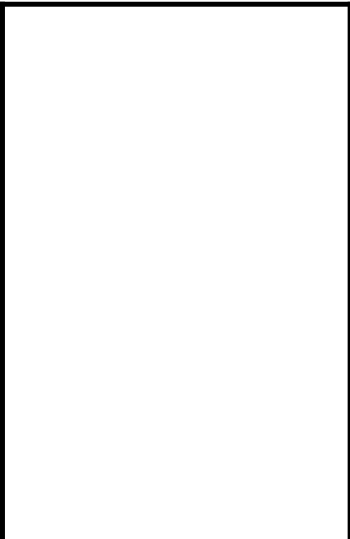- Still shown on the second and third slide.
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