

Advanced Problem Solving: Conditional Statements, Iterative Statements, Functions Pre-read



Prerequisite:

Students need to know about basic math, conditions, loop and functions and should be comfortable writing problems like:

- Prime Check function

```
function isPrime(n)
{
    for(let
i=2;i<=Math.sqrt(n);i++)
    {
        if(n%i==0) return
false;
    }
    return true;
}
```

- GCD computation

```
function isPrime(n)
{
    for(let
i=2;i<=Math.sqrt(n);i++)
    {
        if(n%i==0) return
false;
    }
    return true;
}
```

- Fibonacci Sequence
0,1,2,3,5,8,13,

This class is meant for hands-on practice. So in this class you will come across the following problems:

1. Height of Prism
2. Distance to Office
3. Bob the Builder
4. LCM of number
5. Sum of digits
6. Power of numbers
7. Summation Less Adding
8. Nth Fibonacci
9. 60 a factor
10. Sum of a prime

