Introduction

The purpose of this filtering test is to test your basic aptitude for programming and understanding of basic mathematical problems. So basically you need not prepare separately for the test, just sit back, relax and take the test as a fun exercise.

The test will be of **2 Hours** and hence has been divided into 2 sections namely:

Section A - Aptitude (30 mins)	45 Marks
Section B - Coding Test (1 hr 30 mins)	15 Marks

Section A - Aptitude (45 Marks)

This section is designed to test your logical reasoning and pattern recognition skills. It will contain 35 MCQ type questions.

1. *Sample Question:*

   Without resolving anything yourself choose the conclusion which logically follows from the given statement:

   Television convinces viewers that the likelihood of their becoming the victim of a violent crime is extremely high; at the same time by its very nature, TV persuades viewers to passively accept whatever happens to them.

   Options:

   A) TV viewing promotes criminal behavior.

   B) TV viewers are most likely to be victimized than others.

   C) People should not watch TV.

   D) TV promotes a feeling of helpless vulnerability in viewers. Ans: …….

   Correct Answer: D

2. *Sample Question:*

   A leap year is any year that's evenly divisible by 4, unless it's divisible by 100 in which case it isn't, except when it's also divisible by 400 in which case it is. What is the probability that a year chosen at random is a leap year?

   Ans: ….

   Correct Answer: 0.2425

Section B - Coding Test (15 Marks)

Don't be scared we do not aim to test your coding skills before the test. We believe in teaching coding from scratch. This section just aims to test your understanding of programming syntax, even if you're new to programming you can crack this section very easily with basic logics and you can refer to this link for basic syntax understanding and try this sample question on our platform. This section will contain 5 questions of 3 marks each.

> *Sample Question:*
> Given a number N find the factorial of N i.e.
> N! Factorial of N or N!=N x (N-1) x (N-2) x…
> 1
> This is a functional question. You're being provided an integer as an argument of the function and the return type should be an integer answer representing factorial of N. Sample Input: 5
> Sample Output: 120

Note: To qualify and to be considered for this course, you need to clear the minimum cut off in each section but also we encourage spending free time on sections depending on your interests.