The BEST IQ Challenge tests your skills in mathematics, science, and engineering, by combining these skills with software coding skills using MathWorks MATLAB. Through this challenge you will sharpen your coding skills along with your technical skills.

- The challenge is open to anyone but only students are eligible for the leaderboard.
- Solve problems of your own choosing at your own pace.
- Earn points for each correct solution. Earn bonus points and badges for specific accomplishments (e.g., first to solve, best overall solution, solving all problems) and for improving your solutions over time.
- Submit solutions as many times as desired. There is no penalty for incorrect solutions.
- Earn badges and rise to the top of the leaderboard by solving more problems than your BEST friends and competitors.
- Earn national recognition as having the BEST IQ in the nation, capture the national award and other MathWorks swag!

What's New? A brand-new set of problems is coming for the Spring challenge. More challenging. Expanded programming.

```matlab
1  function c = combine_pixels (a,b)
2     if a >= b
3        c = xor_bits(a,b);
4     else %a < b
5        c = a+2*b;
6     end
7  end
8
9  function d = xor_bits(x,y)
10    d = xor(x,y);
11 end
```

The BESTiq Challenge runs **March 3rd – April 14th**.   Look for the announcement in your inbox! Students, register to participate in this program on your student ME page in the BEST National Registry.