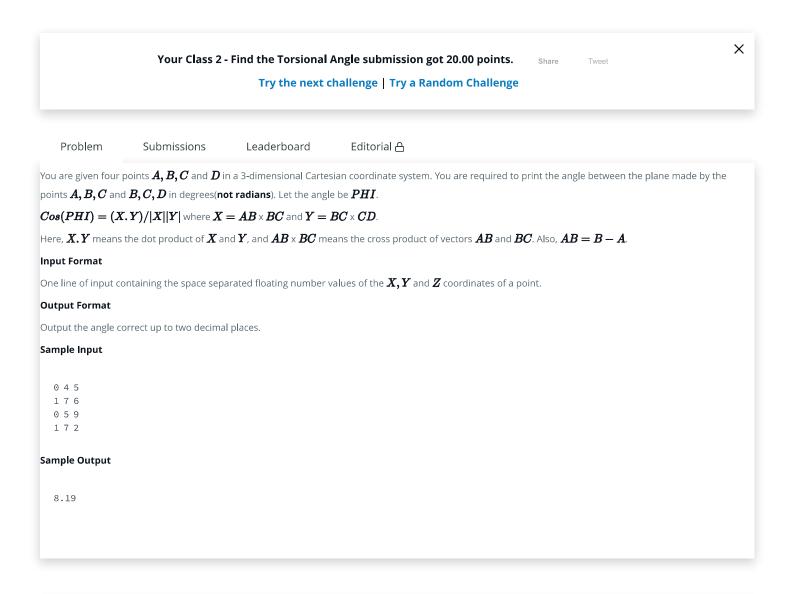
## Class 2 - Find the Torsional Angle ★





```
Change Theme
                                                                                 Python 3
                                                                                                     selt.z = z
8
9
        def __sub__(self, no):
10
            return Points(self.x - no.x, self.y - no.y, self.z - no.z)
11
12
        def dot(self, no):
13
            return self.x * no.x + self.y * no.y + self.z * no.z
14
15
        def cross(self, no):
            x = self.y * no.z - self.z * no.y
16
            y = self.z * no.x - self.x * no.z
17
            z = self.x * no.y - self.y * no.x
18
19
            return Points(x, y, z)
20
21
        def absolute(self):
22
            return pow((self.x ** 2 + self.y ** 2 + self.z ** 2), 0.5)
```

Earn a certificate in Python

```
if __name__ == '__main__':
 25
 26
          points = list()
 27
          for i in range(4):
               a = list(map(float, input().split()))
 28
 29
               points.append(a)
 30
 31
           a. b. c. d = Points(*points[0]). Points(*points[1]). Points(*points[2]). Points
                                                                                                                Line: 10 Col: 49

    ∴ Upload Code as File    □ Test against custom input

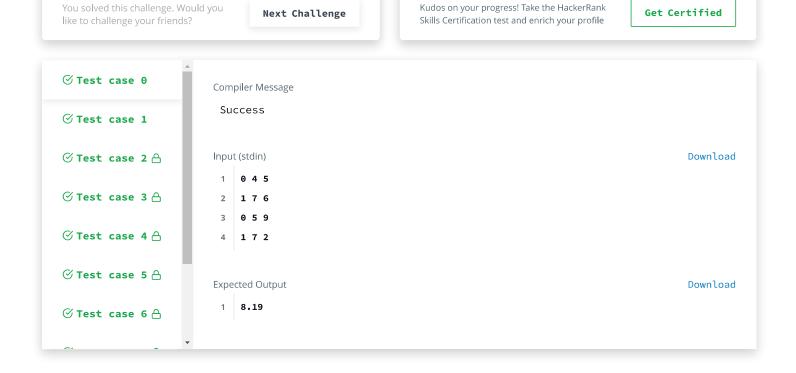
                                                                                                 Run Code
                                                                                                                Submit Code
```

You have earned 20.00 points! 61/115 challenges solved.

Congratulations

53%





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