

Think-Thank-Thunked

Colin Hosking, Peter Cwalina, Ahnaf Hasan

APCS02 pd08

HW56 -- Orienting Up Your Goer

2018-06-01

RC

```
- color[][] front           //faces of the cube
- color[][] back
- color[][] right
- color[][] left
- color[][] up
- color[][] down
- int size                  //side length of face
- Stack<int> moves          //stack of moves to get to solution

+ void shuffle()
+ boolean isSolved()
+ String toString()
+ void reset()              //cube becomes solved
+ void getHint()            //pops the moves stack and displays it for user

abs void turn(color[][] a, color[][] b, color[][] c, color[][] d, color[][] e) //rotates faces based on
order of parameters, order changes for each type of rotation
+ void turnF()              //wrapper class for turning
+ void turnB()
+ void turnR()
+ void turnL()
+ void turnU()
+ void turnD()

+ void rotateUp              //reassigns instance vars
+ void rotateDown
+ void rotateLeft
+ void rotateRight
```

Two

```
+ void Two()
```

+ void turn(color[][] a, color[][] b, color[][] c, color[][] d ,color[][] e)

Three

+ void Threex()

+ void turn(color[][] a, color[][] b, color[][] c, color[][] d ,color[][] e)

Driver

+ void setup()

+ void draw()

