isEquilateral(int x, int y, int z)

Valid Classes

1. x >=1, y >=1, z >= 1; x < y + z; y < x + z; z < y + x

Invalid Classes

1. x < 1, y, z; x < y + z
2. x < 1, y, z; y < x + z
3. x < 1, y, z; z < y + x
4. x, y < 1, z; x < y + z
5. x, y < 1, z; y < x + z
6. x, y < 1, z; z < y + x
7. x, y, z < 1; x < y + z
8. x, y, z < 1; y < x + z
9. x, y, z < 1; z < y + x

Boundary Cases

1. x = 0, 1 ,2, y
2. >= 1, z >= 1
3. y = 0, 1, 2, x >= 1, z >= 1
4. z = 0, 1, 2, x >= 1, y >= 1

Equivalence Class or Boundary Case	**Sample Input Values**	**Expected Result**
Valid 1: x >=1, y >=1, z >= 1; x < y + z; y < x + z; z < y + x	5, 2, 4	True
Invalid 4: x, y < 1, z; x < y + z	1, 0, 2	IllegalArgumentException
Invalid 7: x, y, z < 1; x < y + z	1, 3, -1	IllegalArgumentException
Boundary 1: x = 0, 1 ,2, y >= 1, z >= 1	0, 2, 2 1, 2, 2 2, 2, 2	IllegalArgumentException False True
Boundary 2: z = 0, 1, 2, x >= 1, y >= 1	2, 2, 0 2, 2, 1 2, 2, 2	IllegalArgumentException False True

isPasswordValid(String password)

Valid Classes

1. 8 < size < 20; contains digit, uppercase letter, lowercase letter, and special character

Invalid Classes

1. 8 < size < 20; does not contain digit, may or may not contain uppercase letter, lowercase letter, and special character
2. 8 < size < 20; does not contain uppercase letter, may or may not contain digit, lowercase letter, and special character
3. 8 < size < 20; does not contain lowercase letter, may or may not contain digit, uppercase letter, and special character
4. 8 < size < 20; does not contain special character, may or may not contain digit, uppercase letter, and lowercase letter
5. size < 8; contains all required characters
6. size > 20; contains all required characters

Boundary Cases

1. size = 7, 8, 9; contains all required characters
2. size = 19, 20, 21; contains all required characters

Equivalence Class or Boundary Case	**Sample Input Values**	**Expected Result**
Valid 1: 8 < size < 20; contains digit, uppercase letter, lowercase letter, and special character	validPass1!	True
Invalid 2: 8 < size < 20; does not contain uppercase letter, may or may not contain	notval1d!	False

digit, lowercase letter, and special character		
Invalid 5: size < 8; contains all required characters	nOp3!	False
Boundary 1: size = 7, 8, 9; contains all required characters	Nuh!uh0 F1nally! TotVal1d!	False True True
Boundary 2: size = 19, 20, 21; contains all required characters	ThisOneisOkay$$1819 Th1s1sJustRight!1920 This1sway!toolong2021	True True False