

Strings

"Hello World." → Text/string

↳ sequence of characters.

"abc" ✓

"abc123" x

"123" ✓

"dell\$@"

123 → integer

↳ A-Z

↳ a-z

↳ 0-9

↳ space [, . @ , \n]

→ int

→ str

123 W "123"

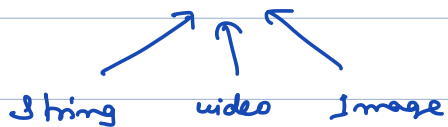
↳
+, -, *, /

↓
concat, length

10
(Decimal)

→

1010
binary



"abc"
↳ a7 b8 c9

ASCII → American Standard Code
for Information Interchange.

A → 65	a → 97	0 → 48
B → 66	b → 98	1 → 49
C → 67	c → 99	⋮
⋮	⋮	⋮
Z → 90	z → 122	9 → 57

97
10
↳ 1010

"10"
↓ ↓
49 48
↓ ↓
2 0

Class
String str = new
Integer int = new
int n = 5

int float, double, boolean,
long

→ equals
==
≠

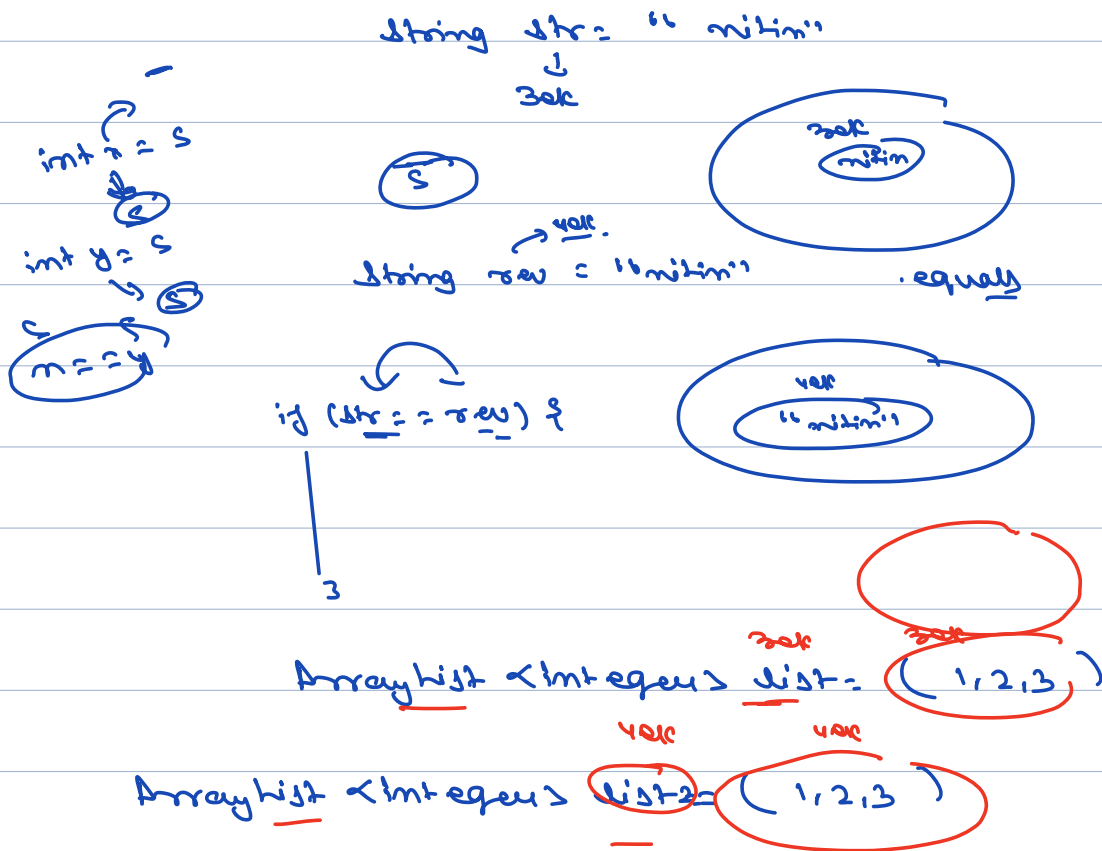
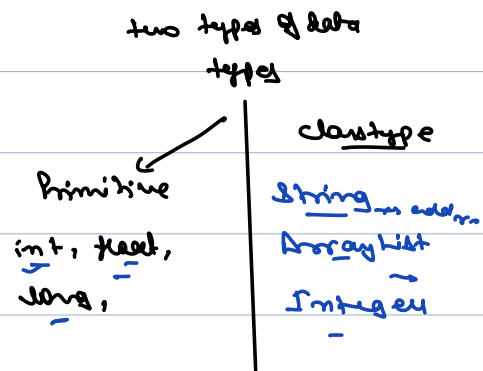
```

public static boolean isPalindrome(String str){
    String rev = reverse(str);
    // if(str==rev){
    //     return true;
    // }

    if(str.equals(rev)){
        return true;
    }

    return false;
}

```



Integer i1 = 10

int i2 = 10

2 2 2



divide the whole pattern into 4 parts

first half of rows,

followed by first

half of cols.