Java Concept 18

- In case of String , Integer == is used to compare memory location

- In case of char , int == is used to compare values

- equal() method is used to compare values of String and Integer Class objects

```
1 //Comparing memory
2 //location
3 String a = "J";
4 String b = "J";
5 System.out.println(a==b);
```

```
1 //Comparing values
2 String  a = "J";
3 String b = "J";
4 System.out.println(a.equal(b));
```

```
1 //Comparing value
2 char a = 'J';
3 char b = 'J';
4 System.out.println(a==b);
```

```
1 //Error
2 char a = 'J';
3 char b = 'J';
4 System.out.println(a.equal(b));
```

```
1  public class JavaConcept {
2    public static void main(String args[]){
3
4      String s2 = new String("J");
5      String s1 = new String("J");
6      System.out.println(C.P+"Comparing String addresses : "+(s1==s2));
7      System.out.println(C.P+"Comparing String values : "+ s1.equals(s2));
8
9      Integer I2 = new Integer(1);
10     Integer I1 = new Integer(1);
11     System.out.println("Comparing Integer addresses : "+(I1==I2));
12     System.out.println("Comparing Integer values : "+ I1.equals(I2));
13
14     char c1 = 'J';
15     char c2 = 'J';
16     System.out.println(C.P+"Comparing Char value : "+(c1==c2));
17
18     int i1 = 1;
19     int i2 = 1;
20     System.out.println("Comparing int value : "+(i1==i2));
21   }
22 }
```

```
run:
Comparing String addresses : false
Comparing String values : true
Comparing Integer addresses : false
Comparing Integer values : true
Comparing Char value : true
Comparing int value : true
```