Chapter4

October 8, 2025 11:47 AM

J. If both operands are numeric, * means numeric addition.

2. If either operand is a String, * means concatenation.

3. The expression is evaluated left to right.

III Need to know coderboniskiii
Dea't worry! You do not need to memorize the ASCII or Unicode values. You just
meed to know their [170 see celestrioistaft]) on the exam that it functions similarly to chaesk[) for ASCII characters, returning the numeric value of the char-

System.out.println("abc".equals("ABC"));	11	false
system.out.println("ABC".equals("ABC"));	11	true
System.out.println("ABC".equals(6));	11	false
System.out.println("abc".equalsIgnoreCase("ABC"));	11	true

	strip()		
	stripleating()		
	stripTrailing()		
String	trie()		

public String indext(int number(paces)
public String stripIndext()

you pass zers, the in-	featurion will not change.				
Method	Indext change	Nurmalizes existing line breaks	Adds line hovak at end if missing		
Indext(x) where n > 0	Adds in spaces to beginning of each line	Yes	Yes		
intest(e) where n 0	No change	Yes	Tes		
Indext(n) where $n \times 0$	Removes up to in spaces from each line where the same number of characters is removed from each nonlibrak line	Yes	Yes		
striplolet()	Beautives all leading incidental whitesasce	Yes	No		
System.cut.print System.cut.print name, orderid System.cut.print	llo Eate, order 5 is re In("Mello "snames", ord In(String.format)"Hello	ler "serderIss" Ka, order Md			
Symbol Description					

No Applies to integer values like int and long Applies to finaling-point values like Float, and double

public String intern()

If the literal is not yet in the string wool. Tays will add it at this time.

var name = "Wello Morid"; var name2 = new Moring("Hello Morid").intern(); System.out.println(neme == name2); // true

Finally, you can type the [] before or after the name, and adding a space is op-tional. This means that all five of these statements do the exact same thing:

3: String[] strings = { "stringValue" };
4: Object[] objects = strings;
5: String[] apulatizings = (String[]) objects;
6: againtizing() = now StringBullder(); // DOES NOT COMPILE
7: objects[0] = new StringBullder(); // Carefull

Line 7 is where this pen interesting. From the point of view of the campler, this just fine. A Stringthilder object can clearly go in an Object[]. The problem is that we don't actually have an Object[]. We have a String[] referred to from an Object[] which is a string [] referred to from an Object[] which Ar transine, the ode therows an Expostrectic explicit.

You don't need to memorize the name of this exception, but you do need to know

TIP You can use 7Up, the sods, to help remember the order. Numbers (7) sort first, followed by uppercase (U), and then lowercase (p).

- A negative number means the first array is smaller than the second.
 A zero means the arrays are equal.
 A positive number means the first array is larger than the second.

System.out.println(Arrays.compare(new int[] (1), new int[] (2)));



- If both arrays are the same length and have the same values in each spot in
- If both energy are the same length and have the same values in each spot in
 the same ender, return zero.
 If all the elements are the same but the second array has extra elements at the
 end, return a negative number.
 If all the elements are the same, but the first array has extra elements at the
 end, return a positive number.
 If the first element that differs is smaller in the first array has extra elements.
- · If the first element that differs is larger in the first array, return a positive

Date and Time

2025-06-20786:59+05:38[AcCa/Kulkuta] // GMT 2005-06-20-01:20 2025-06-20787;00-06:08[U5/Euster+] // GMT 2003-06-20-01:30

LocalDate

var date1 = LocalDate.of(2025, Month.JANUARY, 20);
var date2 = LocalDate.of(2025, 1, 20);

LocalTime

LocalDataTime var dateTimel = LevalDateTime.ef[382%, Month.3MSLMTV, 28, 6, 15, 38]; var dateTime2 = LocalDateTime.ef[date], timel);

Others take a Horen, reference:

public static LocalDateTime of(LocalDate date, LocalTime time)

ZonedDataTime

pablic static Zenadistribus efficis pour, jot mosts, let daptiments, let how, let since, let second, jot sames, Double send; pablic static Domestimation efficializes data, localities time, Zenadi send; pablic static Domestimation efficialization datalline, Zenald zero)

!!!Atention

Another trick is what happens when you passionally numbers to $\phi(\zeta)$, the example:

war date = LocalDate.ef(2025, Hoeth.3MEANY, 20); date = date.plasMinutes(1); // DOES HOT COMPILE

*** INACEPTION**

When the date rate or majories special for Notice ones allow on different seasons are majories or management of the State of the S

Manipuating Date and Time

33: we date - testallists.ef(DATS, Resth.188807, 20);
25: System.ord.printfoliotis;
25: System.ord.printfoliotis;
26: date - date.printfoliotis;
26: date - date.printfoliotis;
26: date.printfoliotis;
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27: System.ord.printfoliotis;
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29: date.printfoliotis;
29: date.printfoliotis;
29: date.printfoliotis;
20: date.printfoliotis;

LocalDateTime

22: ver fate = localDate.ef(1282, Nech.388897, 28); 22: ver fate = localTate.ef(5; 15); 24: ver fate = localTate.ef(5; 15); 25: System.ext.pricts(destrine); // 285-29-2899:15 25: System.ext.pricts(destrine); // 285-29-2899:15 25: System.ext.pricts(destrine); // 285-29-2899:15 26: destrine = entries.extenseco(10); 25: System.ext.pricts(destrine); // 285-29-1899:15 26: destrine = entries.extenseco(10); 26: destrine = entries.extenseco(10); 27: System.ext.pricts(destrine); // 285-29-1899:15 28: destrine = entries.extenseco(10);

LocalDate to LocalDateTime atStartOfDay() atTime(int hour, int minute) atTime(int hour, int minute, int second) atTime(int hour, int minute,

at/one(ZoneId zone]d)

Period & Duration

	Can use with Period?	Can use with Duration?
LocalDate	Yes	No
LocalDateTime	Yes	Yes
LocalTime	No	Yes
ZonedDateTime	Yes	Yes

Instant

Working with Instants

```
ver now = Instant.now();
// Do scenthing time consuming
ver later = Instant.now();
var duration = Duration.between(mow, later);
System.out.println(duration.to%illis()); // Returns number m
```

```
If all the elements are the same, but the first array has extra elements at the end, return a positive number.

If the first element that differs is smaller in the first array, return a negative

    If the first element that differs is larger in the first array, return a positive
number.

        mod (nt[])
        new (nt[])
        New (nt[])
        New (nt[])
        New (nt[])
        One (nt[])
        New (nt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            System.cot.println(kropy.at)anatch)max int[] (1), new int[] (1)):

System.cot.println(kropy.at)anatch)max inte[[] ["x"],

max inte[[] ["x"]));

saw inte[[] ["x"]);

for a cont.println(kropy.at)anatch)max int[] (1, 2], new int[] (1));

t
                   new rew. tring[] Negative The first element is a String[] {"as"} number substring of the second. ("s")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Armayo .mlomatich[) -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       In the first example, the arrays are the same, so the result is -1. In the second or ample, the entries at element 0 are not equal, so the result is a. In the short example, the entries at element 0 are equal, so we keep looking. The element of tables 1 in not equal 0, nor equal 0, here equal tables 1 in not equal 0, nor equal 0, are equal tables 1 in the equal 0, and the other does not. Therefore, the result is 1.
                   now new String[] Positive mill is smaller than a string[] \{mil\} number henr.
                   int[] varid [], space [][]; // 2D and 3D arrays
              EXAM
EARW

2. Mills of the servey declarations are not logal? (Choses all that apply)

2. E. D. Ogano Cann be would not see at $6 serve apple, which is shown in the first post of your Land from Yugerly yet the application is a not logal? (Choses all that apply)

3. E. D. Spray, at [1] (I choise is — not depect[3][0][5]]

6. Spray at [1]. In order [2] — not be seen [3].

6. Spray at [1]. In order [3] — not be seen [4].

7. Let [1] 1 not see [3] — not let [3][1]

7. Let [1] 1 not see [3] — not let [4][1]

8. ACD
         3.A,C,D
4.A,C,D
5.B
1. What is the result of the following code?
                                  7: var sb = res StringBullder();
8: sb.spoond("ash", insert(4, "bb"), insert(4, "cc");
8: system.out.printle(sb);
         I. The root date can compale.

6. Communities years, interest gave an interfugerables, the office the control of the control o
                             O.a
10. How many of these lines commin a compiler error?
                                                 31: let mer = Nath.odo(%, %);

34: long tes = Nath.renn(%, %);

24: double tense = Nath.renn(%, %);

36: ner doubles = new double() (one, tes, three);
    systematic printing orders and trienglity).

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                             A rear rear
R rear rearIII
C rearIII mar
D rearIII marIII
E da rearption is thereix.
F. The code-does not complie.
                   14.F./ Lives the reserving, which can convoly (III in the blank allowing the code to compiler (Chone all Chat apply)
         A settine()
B. without()
C. withful()
B. deficies()
B. deficies()
B. deficies.Associate()
E. max invasion()
E. ()

                                            to the control of the following throw of the majors of the following throw of the majors of the following through ( "No", "No"):

15. C. E. Numbers seet before letters, and uppercase seets before low errors are relative to the control of the following through the 
                                       A [pig. F20, 133]

2. [Pig. pig. 131]

C. [120, F20, pig.]

D. [120, pig. F30]

E. -2
                                       nor letters - non thringhallde-["doubry"];
         A listins_samrings_ is more a single-density in its listins_samrings_ is more a single-density in its listins_samrings_ in more a single-density density in its listins_samrings_ in listins a single-density single_ is listins_samrings_ in li
                        Next, if u = x expands to x_1 = x_2 + x_3 - x_3 + x_4 = x_4 - x_3 + x_4 = x_4 + x_4 +
```

Quick Notes Pag

G. An exception is decrease.
If the code does not compile.
18.A,B,D
19.

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