Red Note 19891 A0589

How to implement Americander and associationy in jour danguage? an example 9 

berwise muitipliation has higher poincily (or) precedence Recedence is the positioning and in of an openiul-us, is there one two Highest Possosing will be excuted frost. Then highest buten high. For example, in expression H2\*5, multiplication(\*) of mone openations in in Exposusion then the operation of Openator will be Processed First and Hen addition(+). Jawa operations have two Posterites i.e, precedence and Ansociativily. JAVA OPERATORS PREFEEDENCE AND ASSOCIATIVITY:than addition. A

Will be done First because ponunthes'y has higher Pariority OF EXECUTION OF OPERATION HAT CON CITICS DE 18FT HUSIGNA are ighmen openedon is executed from oright to 16FF that is 'c' will will be awigned by bi. We can punerthesize as (a= (6= (c= 8)) can assorthange the privarily of a java operator by enclosing then higher prioring openation picks the shaned openand fear Attentiatively, we can say that when an openand is shaned the wower order priority openwhen in penenthesis but not, Processing. From above example, we can understand the by two operands. (2 in above example is stanced by + and\*) priority, Associativity atts. It tells we the direction The associativity. Far example, In(1+2) #3, addition ansigned by B, then is will be adjgned by c. and or sight to left. For example, in expension, as 6= c=8, the snoile, when all openations in an exponension have same than multiplication operator. Z

Precedence	operatou	Desimiption	Associativily
Y	[3	array inden method (al) member access	Left HO Right
<b>ર</b>	+ +	parthonetix increment onend bithin NOT	Right to 1eft
3	LEM CONT)	type cast object creation	Right to left
4	*/	multiplication division modulus (semainder)	left to Right
5	+-	addition, Subtraction string concertenation	left- to Right
6	4	reft shift signed night shift unsigned or two-fill sightshigt	ref H to Right
7	<	less those  less than or equal to  greater than  greater than or equal to  one ference test	18FL 100 Right
8	; =	equal to Not equato	left to
9	8	bitwise AND	IERL LO RIGHL
10	Λ	61 twee XOR	IAFL 20 Right
11	1	bitwhe OA	18 FL to Right
12	88	logical AND	1eft to Right
		conditional (tonory)	Right to 1CFL
14	9:	logical XOR	18FL to Right
13	1) = 1° - 1° - 1° + 2° - 7) = 77	attigment and short hand assignment appropriately	Right to 10ft

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Section Control

j

```
2) import java. util. scanner;
   Public class BankAccount {
         double act-num;
          String name;
         string act-type;
          int
                 bal;
          void set-Data (double a, string b, string c, int d) {
                   act-num=a',
                    name ab;
                    act-type=cj
                    por= 9,
           void Desposit (inta) {
                  System.out.printin ("Balance before despoit is "+ bal);
                  bol = bal +a",
                  System. out. Pointin ("Balance after deposit is "+ bal);
           3
           void withdraw (inta) {
                 System out-parinth ("Balance before with anow is "+ bal);
                  bal = bal - q;
                 if (bol < 0) {
                       System. OUL PRINTIN ("cannot with anaw");
                        bal = bal-as
                  6178 6
                      system.out. Posint In ("Balance after Withdraw is "+bal);
```

```
Void Display() {

System.out. Printl ("Name: "+ name);

System.out. Println ("Balance: "+ bal);
```

Public stevic void main (string [] angs) {

Bank Account ba= new Bank Account();

Scanner s= new scanner (system in);

System out Println ("the act-num, name, type, bad");

ba-set Data (s. next int(), s. next(), s. next(), s. next int());

System out Println ("enter the amount to deposit");

ba. Deposit (s. next Int());

system out, println ("enter the amount to with draw");

ba. with draw (s. next Int());

ba. Japlay();

## out put:

Enter act-num, name, act-type, but 191059, Nogovai, souings, 30,000 Enter the amount to deposit 4000

Balance after Deposit is 34000

Ento the amount to withdraw

Balance before Withdraw is 34000
Balance after With draw is 24000
Name: Nagasa;
Balance: 24000

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Do you need to use static keyword for the above bank

Static keyward: - The static keyward is used in sava mainly for momeny... no object needs to be correded to we static variable or call static methods, just put the ... using a static variable we make our program memory efficient.

So, we kneed to use the static keyword floor the above banks account program.

Regionme:

importijana. Util. \*;

Public class Electric Bin {

int units;

String n;

Scanner ob = hew Scanner (system.in);

Void accept() {

System.out. Println ("Enter ruane of the customen");

n = ob. next();

System.out. Println ("Enter number of Units consumer");

Units = ob. hextInt();

Void (aculate() {

if (units c= 100)

bill = units x2;

eu e

( COOE => HIND 38 OOI CHIND) 71

bill = 100 x 2 (Units - 300) x 5 ;

3)

```
£
                                                                                                                                                                                                                                                                                                      H) 20000
                                                                                     Public
                                                                                                                                                       void Point() {
                                                                                                                                                                                                                      ( NOIH> 300)
                                                                                                                                                                                                                                                                             ewe
                                                                                                                                                                                                                                                                                                          >/. . .
                                                                                                                               System.out. Dointln ("Bill Amount: "4 bill);
                                                                               static void main (string args (3) {
                                                                                                                                                                                                                                                     611-100*2+200*3+(Unib-300)*5)
                                                               Electric Bill Obj = new flectric Bill)j
                                                                                                                                                                                                  bill = bill+2.3/100 * bill 5
                                                                                                                                                                                                                                                                                                          . . . . . . .
               abj. accept);
Obj. Pariat ()
                                                                                                                                                                                                                                                                                                         017711
                                                                                                                                                                                                                                                                                                          Thork TI go
                                                                                                                                                                                                                                                                                                                           MBO/AOSTA
                                                                                                                                                                                                                                                                                                          P311M:101
                                                                                                                                                                                                                                                                                             198 B. 1 AOSE9
```

cut put-

mame of the customes;

no. of unity consumed:

(50

Bill AMOUNT: 350,0

aut put-2:

hame of the customer:

HOOF UNITY CONSUMED!

Bin Amount: 1204.375

8,

```
A) Programme:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               H) Design a chose to overload
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Class averload &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Public Static Void Check (String s, Chan Ch) {
                                                                                                                                                                                                                                                                                                                                                Public Static upid theck (Siring SI) {
                                                                       DUB15 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Box (in+ i=0') ix |s-1600Hh(); i++) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          int c 50'
                                                                                                                                                                                                                                                                                                                                                                                                      System-out-Printin ("humber of "+ch+" Prosent is = 1+ ();
                                                                    Static void main (sking ongo(3) {
                                                                                                                                                                                                                                                                        For (sot is of 1251. length () ) 1++){
                                                                                                                                                                                                                                                                                                               SI= SI. to LOWER COSE()
Check ( " computer ");
                            Check ("surcess", 's');
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 if (s.chan A K(s)==ch)
                                                                                                                                                                                            18 (ch=='a'| 11 (h == 'e' | 11 (h == '1) | 11 (h == '0)
                                                                                                                                                                                                                                      (has ch=51. Chant(i);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a function check () as follows:-
                                                                                                                                                              system.out. polor (ch + "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MBA/AOSTA
```

CUP PUT:

number as

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REVENT 4=3