not allowed before

Arrow labels & Switch Enpression

- . These & features in suertch were added in Java 14.
- . There were some limitations in basic syntax of sweitch like in every case you need to add boark otherwise there we'll be Fell through behaviour.
- New features added in Sweeten in Java 14:-
 - 1) Grouping multiple case labels using commas is introduced in Java 14 as part of enhanced switch expression.

Switch (ch) {

grouping multiple case labels.

Case (2)

case 'a', 'e', 'i', 'o', 'u': System.out. println ("Vowek");

Case (b', 'c', (d', 'f', 'g', (h', 'j', 'k', 'l', 'm', 'n', 'p', 'q', (8', 's', 't', 'v', 'w', 'x', 'y', 'z';

System. out. println ("Consonant");

default:

System. out. println ("Not a valid alphabet letter.");

With enhanced easith empression if we use arow labels then no need to write break. So weith arow labels we basically against have fall though.

Still here sear not ding ause debels the bodism

e.g.- In the previous example we can writer-Case 'a', (e', (i), (o', 'v') ->

System. out. println (" Vowel"); General Syntan: Case value -> anexpression or block of statements NOTE:- After anow in that case we can write only a songle empression if you want to write mox than one expression or statements then we need to put those in block if 3. -> So now code becomes more readable, more compact & more safe (no fall through) Precince Time:
Case 1 -> Int a = S; //invalid Case 1: inta=s; //valid Case 1-> If (condition) of] = invalid Case 1: if (condition) of Valid

1/ If black
3 Case 1 -> fun1(); // valid method calling Case 1 -> 7; // error cases -> "Monday"; //error

Switch Expression: -

- · In Java 14 sweetch expression were introduced to simply sweetch extructure.
- · Unlike the traditional smutch statement, a smutch expression can return a value. Making the code more consise and readable

(Basic) Traditional Switch Strtement

- 1 well not return any value
- @ break is must
- 3 Multiple cases can not be grouped with commas
- 4 Default is optional.

Swetch prypression

Can return a value

not required any break statement

Multiple cases can be grouped with

commas.

default must over any unmatched cases

when used with swelch expression.

We can use this switch expression in setum statement as well.

Like:

Leturn expression;

This expression can be switch expression.

Note: In both case I & Case II sweetch is acting as an empression meaning its value can be evaluated to in case I we assign that evaluated value of sweetch to a variable "result" and in case II its values is being returned from a method day of week ().

Practice Time!

in above example if I wonter -

Case "Sot", "Son" -> {

System.out.println ("You entered " + day);

veturn " Weekend"; -> //error

-> Here we use another keyword yield instead of return.

yield can be used with swatch expression only.

But if we writer -

case "Sat", "Sun" -> yield "weekend"; =) weill give error
yield should be in code block (3

case "Set", "Son" -> { yield "Weekend"; 3 -> not error.

NOTE: - Default is most to cover all the unmatched cases when we use sworten expression.

But let's take following example !-

enom Day { Non, Tue, wed, Thu, foi, Sat, Sun, fun }

Day day = Day. Fun;

String object = switch (day) {

case Mon, Tue, Wed, Thu, foi, -> "weekday";

case Sat, Sun -> "Weekend";

case fun -> "You are in Parallel Universe!";

3;

In this case No default but it will not give any error. because we have covered all the possible cases.