Lecture 06: Switch Statements + Nested Case in Tource #1) Need of Gwitch statements: Speitch statements are needed to optimise multiple en: Code: P2/Mul Iflanditions, java Package com teljas; import java. wil. Sarrer; Jublic class P21 Mul If Conditions ? fublic statu void main (String[] args) Stering foruit = in neut (); if (foruit = = "margo") // or (flerit equals (mony) System, out purtly ("King of fount"); if (foruit, equals ("apple")) ?

System. out, pourtly ("a sweet red foruit"); 3

Note; - 1) Why didn't we use else if here? Are; See if Druit stering is equal to margo, then if carl'I be equal the anything else, So it deesn't need to go to other statements, that's why using else if or not is some thing. Only one of the cond' should true 2) Why fruit. equals ("Stering") instead fruit = = "String"? Ans 'a) . Equals only check the value and if value is exact same provided that sood both barriable foints to different objects then only equals return toute. en; - Stering a = "kunal"; So equals gives tome only if Kinal and Kunal is Some in value even if they are diff" in torms of objects. b) = = checks both value and reference Dejects en; String a = "Kunal";

String b = "Kunal";

and if ta = = b

means, a and b pointing to same object hence
their value is some.

Let's understand this with disgrame a -> "Kuna" then, = = gives True

and, equal also gives " put = = gives True cos a and b pointing to same objects. of a and bie same then, = = gives False cos a and b are not preniting same object. a --> "kural" b -> "Kura" True cos value is some and same object pointing doesn't matter foor, cyule. Nove Code in 121 Mul II Conditione, javea ie little messy or refetitive and don't look nice as syntam. for that reason we use Sweitch Statemente.

2) Sweitch Statemente; a) Ewitch Statements (Traditional): In sweetch statements, you can jump to various loses based on your expression. Syntan, sweitch (engression) { Case one:
11 do something
break; Case two!

I/do something

break; default:
11 do sæmething
bereak; Ekeded only if you nouting any case
below default

> Properties: a) Cases have to be the same type as enpressions, must be a constant or literal (means with be variables b.) Duplicate case values are not allowed. (.) Break is used to terminate the seguence. d.) If break is not used, it will continue to rent e.) default will execute when none of the above f.) if default is not at the end, put bereak after Code; Pribueitch Statemente. juva fackage com, tejas. 'Seanner; fublic class 122 Sweitch Statements {
 public static void mais (String [7 args) String Pluit = sc. neut (); (System in);

sweitch (found) & Case "Mango";
Cystem. out. println ("King of fruits.");
Break; Case "Apple";
System. out. println ("A sweet red fruit.");
break; Case "Burana";
System, out. println("tryellow with let's of
cobohydrates");
break; Case "Drange":

Cystem. out. frintln ("A foruit with same name
as orange colons.") of
break; default:
System. out. println ("Please enter salid fruit
name:");

b.) Enhanced Switch -Syntan -Suliteh (Euperession) { Case one -> 11 do samething; Case those -> 11 do something; Case three -> 11 do something; defallt -> System. out. printlnt" flease enter a valid formit."); Il do something; Code; P23 Enhanced Sweitch. java package com tejas; import java, util Scarrer; public clase 123 Enhanced Switch ejersa {
public static void main (String [] args) Stering fruit = in neut();

switch (fruit) & (ase "Mango" - 7 System. out frintln ("King of Fourts.").

(ase "Apple" - 7 System. out, println ("A sweet rod fruit.");

(ase "Barara" - 7 System. out, println ("Kound fruit.").

(ase "Barara" -> System. out, println ("A fruit with lots
of cosonydrates"); default -> System, out, println ("please onter a valid fruit"); 3 Code :-a) P24 Weekdays ES. java > Showing Mul. Statemols in Swertch case. > ES means enhanced switch > S S means Switch Statements (Traditional) > Malif means Multiple If MI b.) P25 bleekeland Check SS, jova & Showing how not to use break cond" with many cases. c.) P26 bleekday MI, joula =) Showing Mul. if program of P24 bleekdays ES, joula. d.) P27 Weedend Check ES, java > Showing same as b.)

C.) Nested Switch Case;

It basically means sweitch case inside switch case like the have nosted if edse.

Code; - P28 Nested Switch S. jula
P29 Nested Switch E.S. jula