Python 3 SL Review LIJIA XU (2/2) Major 3rd party libraries: Diango, Chemyly Regular Expressions = A domain specific scraping data from mebsites Flask = men sensites | Flask = men | Beautiful Soup language (DSL) that is present as album In most modern programming languages, not just Python re match & beginning of a string re, search & find a match anywhere pattern = r"spam" re, tindall = return a list if rematch [pattern, "sponsop" replace pattern repl print ("Martch") re, sub (pattern, replating, manto) else: print ("No match") 1 - start of a string · -> matches any character character class 1 3-) end of a string contain any one of it [1A-2] A Dinvert the class specify number of repotitions and on means X zero or more yep of previous group(o) or groupl) = whole mutch + one or more rep of previous ? zove or one rep of previous | stoup(n) \$ 170 nth group from let [x,y] x to y rep of previous groups 1) + all special groups non-captury groups 1 -> or groups from = pattern=r'grale)y (?PLnamez...) (?:. Special sequences resting but returned ) = matches the expression of the group number da digits 10, 15, Wameans opposite 15 3 white spale A, 12, 16, 18 IW = ) word characters pattern = " upleat b The zen of Python: import this PZP8: det function (named, tags) lines <= 80 characters avoid "from module insport" print (named) print (ongs) there should be only function (1,2,3,4,5) one statement per (Ine default value must come after (2,3,4,5) named parameters without default det tunction(x,y,tood="sp") \*\* perange print (food) function(1,2) => "5p" pergraval arguments function (1, 2, "good") => "good" return a dictionary def my tune (x, y=7, tags, knows X, y=(1,2) { will print (kwangs) # { a: 7; b: 8 aso my-tunc (2,3,4,5,6,9=7,6=8) X, y = y, X print(y) # I work Tenary operator u, b, \*c, d=[1, 23, 45.6] b=1 Ha7=5 else 92 ) HI dise can be #2,4.5 wed for: tor Print(a)HI print (b) modale or 19 or while loops det functions print ("this is madiale grint(d)#6 try: | +\_ name\_ == "\_main torin rangello): print(1) print("a script) Hi==999: except Zero Division From: print(2) import module break else: print (3) module function else print (thished loop) 777 This is madule לונדר 977 "timished (008)