Python Control Structures: "Conditionals: Executes code conditionally · Loops: Executes code repentedly. · if : conditional code execution. · Must include: 1) The Keyword'. if z) A condition that evaluates to a boolean value followed by a colon(:) 3) The body of the Statement ex)# Londitional "If this then that" :- like-coffee = True print ('like coffee!')

print ('Coffee is the best!) ex) conditional "if this, then that, otherwise" it-is-raining = False if it-is-raining: Print ('Better bring an umbrella! ) print ('Looks like a nice, Sunny day) for Runs block of code a set number of times (LOOPS) . while - Runs block of code until a condition is met For Loop: Used w/ iterables (objects and can be mentioned one by one) for number in range (1.4): i = 5
print (number) =x) I For loop example print (i)
i += 1 GUTPUT: 5

[Pandas] - Python library for representing data frames eries; 1-Dimensional representations of data ) ata frames: Basic concepts and manipulation of pandar Z-D data structures. Dataframes - More advanced data frame manipulation Pandas Series: import pandas us pd F Creating Series series = pd. Series ([100,43,26,17]) type(series) Series Properties adex-way to reference items in the series type. Data type of the elements in the series. int-integar (whole #) boot: true false values
thoat-decimals bobe ct strings
cate gory-fixed set of string values name - Optional, human friendly name for series .astype (Convert between data types) N' String-series = pd. Series ([3 .5 4.5 6]) astype (str') String. series any - check if any value is true (series < 0) any all - check if All values in the series are trup (series 70) all () head()/.tail()-Look at Cirst and last several values in a series.

value - counts - cives count of unique values in a series is in - Check if each value is in a set of values apply () - Appy a function to a series