2a) Explain different data types in & faogrammy Am) R joingramming has a number of different data types that are used to store and manipulate data. Some of the most commonly used data types in & are 1. Numouc 2. logical 3. integer 4. Complex 5. charicter 6. Fram 1. Numouc: Numeric data type in used to store numeric values, ruch as integer and floating-point number to example, you can create a numeric vooiable called "age" and aright the value of 25 ist the value of 25: age 4-25 pount (class(age)) , result: [1] "numoic" VZ-23.5 paint (class (age))

2. Logical: Logical dala type in med to store Boolean (i.e., TRUE on FALSE). For example, you can create a logical voviable called "is student" and ownign it the value of is Student 2- TRUE pount (clare (instudent)) [1] "logical" 3. Integer: Integer data represents whole numbers For example, the number of times an event how occurred would be stored as unteger douta point (class(v)) [1] "integer" 4. Complex: Complex data represents complex number which one numbors that have both ia real and imaginary components.

V<-2+51 gount (clan(v)) [1] "integer" 5. Character: character data type in used to store dent or etring values. For example, you can creat a character variable called "name" and arrigh it the value of "John" name < "John" point (class (name)) [1] "(haracter" ve- "good" point (class (V)) [1] "character" 6. <u>Raw</u>: A raw data type specifies values as raw bytes. You can use the following methods 10 char To-law() - (onverte character data to graw data 2. law To Char - Converts oraw data to character dula

Eg: Ve-char To Law pount (clars(v))
[1] "raw"