4th Week 20/06/2020 Akshatha. Y.E Work to do 4AU8ECOOS · Probability: event taking place.

The event is an outcome of an experiment.

The set of all outcomes of an experiment is called sample space. Types of Probability · A priori Classical Probability
· Empirical Probability
· Subjective Probability p(A) 2 m/n. where P(A) is always 5=0 and always c=1

P(A) is a pure number. Bayes Theorem: A better at the P(B/A)= P(A/B)P(B) P(A1B)P(B,)+P(A1B2)(P(B2)+...+P(A/B2)P(B2 Bis its event of & nutually exclusive and collectively exhaustive events A = new events that might impact P(B)

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 • •

Naturnal Ordering: public boolean equals Cobject obj ) { of Cthio== Obj ) between torce; of (obj==null) octum false: if (get class ()! = obj. get class ()) netron false; final Person other = (Person) odj if (nurs=null) { if (other, name! = null) notum false I else if (!name.equals (other.name)) neton talse; neturn twe; · gueues: Queue (Integer > 92= new Array Blocking queue (Integer X); 92.0/sor (10); 92. Offer (20); if (92. offer (30) = = false) { System. out, println ("offen failed to add thired item"); for (Integer value .92) 3 System. out printin l'Oueve 2 value " + value)

· Using Iterators: Iterator Estrings It = animals, iterator (); Stry value = it next();

System. out. print(n (value); 'f Crabie. equals ("cat") { et. overlove (): Shirts man and control mandestry sport System. Out. print(n ();

111 Modern itenation, Java 5 & lates.

for (string animal: animals) {

System.out. print(n Canimal); Implementing Iterable:

public class Appl

public static void main (string () args) {

Usllibrary vollibrary: new vollibrary (): for Cstring html: vollibrary) &
System out println (html. langth());
system.out println (html);

Deciding which collection to Use: set estings set 1 = new flachset <string>(); set esting> set 2 = new Tree set <string>(); set <string> set 3 = new Cinked Hash set <string>(); 11/1/1/1/1/ Maps///// Map (String) reaple now Hash Map (String, String) (); Map (String) rap2 = new Thee Map (string, string)(); Map (sking, sking) mab 3: new linked Hash Malo (sking, sking) public static strigt J ventices {
"ambulance", "helicopter", "Cufeboat.". E"Sue", "Richard", "Bob", "Fred"}, & Pete", "Mary", "Bob" }