Esser Correction of Data lik
layer CAP. 6 28/2/25 race themself at margaceft better established bear detection and correction Wisters 1- THAMMING code or concept. Hake a test Sun to input data stream and variety Poror roveition refeature ilys (c Error Correction of Data lik larger:-Hamming code ist a set of server correction tode that dans be tried to his detectional correct that person that Car socurisher the data tien transmitte of the serber to the presenter. It is a technique developed by BiW. Hamming for sorror corrections. Geate reder pagan with below feature: ente de journante sentera file should be a text de of any leveth. Program should.
Convert the text to bihary. [who is to 12] Apply harming bade concept On the briary data and add - Jedundait bits to it.

13) some the output is a file Cally Geste a secesion program with below features: with the law entrelos Receiver program should read it input from charrel title. I we date the chark for lever . and 3) If there is an wood, display the position of the care att Die renote redudant lists and isses at the broad data to oscil is it and display the oppose the ye Code: role degression appreciated autof def char_tendripey (children and the se Comment a Constanter to 8-bit bing evelun format (out(a), 'osb') def harring-eresde (dota 4): d, de, ds, de [[it [bit] to lat in data] his 112 = di^d2 d2 d4 Pz=d, Adg Ada

P4= d2 d3 1 d4 { P2} {d,} {P4} {4} text = upit ("Enter text:") with oper (" Charnel text", "") as for the in text: bir-ch = dar-to-biray for i in surge (0,8,0) Code = Laming - creade (bis colis - paid rel a) majorit ("data within the double with haming code") def harming decade (code -): b=[0]+[xt(bit) for latin code-7) P1 = b[] 1 b[3] 1 b[5] 1 b[7] P2 = 6[2] 1 6[3] 1 6[6] 1 6[7] PA = P(4) V P(2) V P(2) enon-pos = p1 to 1 + p2x2 + p4 of 0= (cap-ravel for witer to betet race" }) tirey ([sq - rece] d d1, d2, d3. dx = bB7 bB, bB, bB

setur f" fdr iday das bida ? EAD [4] [4] [4] [4] [4] brang - result = " tiget with " open ("chand test "">") as f" asde = freed() Assist it is sorge (0, ler (Code, 5), 7); E burary result += hamming-decode (Cade [i:i+7]) based ett rulege at d'étable (o, ler (briang-demit) logte = birary_rand = styl text t= chr (it (byte, 2)) revolution of Pereire test ofter over Corontino", text). Ester 4-bit sta :1011 Serder side: - Bolool1 At Ester let position to introduce 01 tarre 1 -0010011 tie to ditele Receiver Inte Letestel rare detected Original data list elected: 1011 dr. d2, d3, d4 = 601, h(5), b(61, b) +1

172 Julio periodes las potos a Itale o the thentill with the 11) FUEL EXPLO tenents where SUM à tole De Trail) Associated botalling the and to be to be the interest of the state of the no los dever neos a Lilinia or attend It was to bake, visted and character suche at in sellois hus satury satural publication essuel treview 1/41 . Scold tracki interest his state stalled standard at ed due, care routel mitorialie the crowder, exetured, exetupide S halogue at wolf aprico bra un Of : 1 ate pristat patent theuter tionage him discharge doute relighterre the code is successfully executed and completed. ry truffe is