

Date ... Expt. No. 4 Page No. 21 Table Creation: create table student ( USN varcharcio) primary key, Tuble created sname varcharczon, address varchar(20), phone number(10), gender charcin; create table semsecc 8810 varchar(5) primary key, Table created sem numberca), sec char (17); create table class ( USN varcharceos, 68ED varchar(5), Table created primary key (USN, 5810) for legn key cusno references student cusno, foreign key (SSID) references semsec (SSID)); create table subjects subcode varchar(8) primary key, Table created the varchar(20), sem number(2), credits numbercall; Teacher's Signature: \_

Table created

| USN          | ENAME      | ADDRESS | PHONE                                   | 9-   |  |
|--------------|------------|---------|---|------|--|
|              |            | Ring    | 9876543101                              | M    |  |
| IAIBCSOAO    | 10000      | Mng     | 9124567810                              | Ł    |  |
| IACI3CSO61   | scoth      |         | E134568101                              | F    |  |
| [A£13C509]   | Marsh      | ckm     |   | M    |  |
| IAT 13C 5066 | Joseph     | Ask     | 9011567810                              | V 86 |  |
| 1A214CS066   | Ashion     | Del     | 7110567891                              | M    |  |
|              | Bharath    | kol     | 7110667711                              | L    |  |
| 1A114CS082   |            |         | 966066 1314                             | F    |  |
| 1A115CS011   | Tercssa    | Raf     | 503100000000000000000000000000000000000 |      |  |
| 1A11505029   | shepetha / | Raj     | 9440447314                              | M    |  |
| IATISCSO45   | Prteola    | Kad     | 8104771367                              | M    |  |
| IA£15CS091   | Baptist    | Mum     | 7104901367                              | M    |  |
| 1AT 16C8045  | Ratsk      | Tpt     | 9901787171                              | t    |  |
| ATIGCSO88    | Swidch     | Tmt     | 8103567844                              | M    |  |
| AT16050122   | Sandy      | rat     | 9001037844                              | M    |  |
| BIHCSIOI     | Rackle     | m;      | 9048795082                              | M    |  |
|              |            |         |   |      |  |

| create table TAMorks( USN varchar(10), subcode varchar(g), sstD varchar(5), | Page No           |
|---|-------------------|
| USN varchar(10), subcode varchar(8), SSID varchar(5),                       |                   |
| USN varchar(10), subcode varchar(8), SSID varchar(5),                       |                   |
| subcode varchar(g), SSID Varchar(5),  |                   |
| setD Varchar(5),  |                   |
|   |                   |
| Test! number(2),  |                   |
| Tost 2 number (2),  |                   |
| Test 3 number (2),  |                   |
| FinalTA number(2),  |                   |
| primary key (USN, subcode, SSID)  |                   |
| foreign key (USN) references student (USN).                                 |                   |
| foreign key (subcode) references subject (subco                             | ode),             |
| foreign key (SEED) references semsec (CSED))                                | ;                 |
| Values Insertion:   |                   |
| 1. Posert Porto student values  |                   |
| C'IAIIBC2020', "Amith", "Bng", "987654321                                   | o', 'M');         |
| Insert into student values  |                   |
| ('IAI 13 CS 062', 'scoth', 'Mnq', '98440262                                 | 63','F');         |
| Insert into student values  |                   |
| C'IACI3csoq1', 'Marsh', 'ckm', '974029465                                   | 3°, °F');         |
| Insert anto student values  |                   |
| C"1 AZ 13C5066", "Joseph", "Ask", "81479364                                 | 31', 'M');        |
| Insert into student values  |                   |
| C'IAII4cs032', 'Ashurn', 'Del', '214797050                                  | 62°, 'M');        |
| Present note student values   |                   |
| C'(A11500011', 'Bharath', 'kol', '95356427                                  | 85', 14'9;        |
| Insert Porto student values   |                   |
|   | her's Signature : |

select \* from semsec SEC -SEM CSE8A 8 8 9 CSESB C g CSEBC А 7 CSE TA В 7 CSE FB c CSETC A 6 CSE 6A В CSE6B C 6 CSEGC A 5 CSE GA 8 5 CSE 5B C 5 CSE50 A CSE4A B CSE4B C CSE4C A 3 CSE3A B 3 CSE88 3 C CSE 3C A CSEZA B CSELB C CSERC A CSEIA B CSEIB C CSEIC 8 D CSEED

| , No   | Page No. 24           |
|--|-----------------------|
| Inserteq ento semsec values                          |                       |
| ("CCE6B", "6", "B");                                 |                       |
| insert anto semsec values                            |                       |
| (,ceeec,,e),c,);                                     |                       |
| gosert 90to semsec values                            | 4444                  |
| ('CSE5A', '5', 'A');                                 |                       |
| Insert 9nto semsec values                            |                       |
| ('CSE 58', '5', '8');                                |                       |
| Prosert anto Germsec values                          |                       |
| ( * CESE 5C ) , '6 ) , 'C');                         |                       |
| gosert anto semsec values                            |                       |
| (*CSE4A*, *4*, *A*);                                 |                       |
| ansert into semsec values                            |                       |
| (*csE4B', *4', *B');                                 |                       |
| Insert 90to semsec values                            |                       |
| ( °C\$E4C ', '4', 'c');                              |                       |
| gnsert Into semeec values                            |                       |
| C "CSEBA", "8", "A");                                |                       |
| Prisert Prito semisec values                         |                       |
| C'C <e3b', '3',="" 'b');<="" td=""><td></td></e3b',> |                       |
| Insert into semsee values                            |                       |
| ('CSE3C', 'C', 'C');                                 |                       |
| Insert into semser values                            |                       |
| ( *CSE2A 2 , 2 2 , . A2);                            |                       |
| Insert Poto semsec values                            |                       |
| ('ccE2B', '2', 'B');                                 |                       |
| insert anto semcer values                            |                       |
| ('CSE2C', 'A', 'C');                                 | - W - W               |
|  | Teacher's Signature : |

Date . Expt. No. 4 Page No. 23 ("IAIISCSO29", 'Terrola", 'Ras", "8106386211", "M"); ensert into student values ( "IAII Tocs 045", "Shoetha", "Paj", "994 5152883", "M"); insert anto etaclent values ( , | VI | 2000 | , , , b. | 6000, , , 600, , , 683+531751, , , w.)? Insert into student values C'IALIGOSO45', 'Baptist', 'Mum', '9841631531', 'F'); insert into etudent values ( "AII6 ( SO 8 8 ' , " Roll's ' , " TP+' , " 9 8 7 0 4 21 5 0 2 ' , " M ' ) ; 9nsert 9nto student values C. (ULTIEC2035, ', Employ, ', turp, ', d 855016183, W.)? Prisert anto student values (9817-cs101), "Sandy", "ral", "9045 +95282", "M"); 2. insert into semsec values C'CERSA', '8', 'A'); Insert into cemsec values C.CEESB, '.S,', B,); Insert into semsec values ("CEE 8C', '8', 'C'); Prisert into semsec values C'CSE 74", "7", "4"); Insert into semser values ( "CSE +B', " 7", "B"); Posert into semsec values C'CSE 7 E', "7', "C'); Prisert into semsec values C'csE6A7, '6', 'A'); Teacher's Signature : \_\_\_\_

Date ... Expt. No. 4 Page No. 25 posert ento semser values select \* C'CSELA', "12, "A'); from class; gosert goto comsec values SSED\_\_\_ C'CSEB', "1", "8"); UEN \_\_\_\_ CSEBA gosert Porto semsec values 1AC 13CS020 CEERA ('CEEC', '1', 'C'); IAT 1305062 CSEBB goset anto semsec values IATIBOSO66 CSERC ('CSEBP', '8', 'D'); IATI3CSO91 CSE YA IAT14CS082 CEE 4A 3. Insert into class values IATI5 CSOII CSE4A 1A11505029 ('IAII3CS020', 'CSE8A'); CSE4B 1A11505045 Insert Into class values CSE4C IA115CS091 C'IATI3CSO62', 'CSE8A'); CSE3A IATI6CSO45 Insert into class values CSESB IATI6CS088 ('IAII3CSO66', 'CEE8B'); CSE 3C Insert into class values IA116CS12 2 CCEBD IBELTCS 101 C'IATI 3 CSO91', 'CSE8C'); Prisert Prito class values ('IATI4CS032', CSETA'); Prisert Prito class values ('IATIACSOIL', 'CEE#A'); insert Porto class values ("IATI4CS 029", "CSE4A"); Prisert anto clase values C'IASIECSO45', 'CSE4B'); Insert into class values CIAIISCSOQI', CCSE 48'); Insert into class values Teacher's Signature : \_\_\_

Expt. No. 4 Date . Page No. 26 C'ATISCSOQI', 'CSE4C'); Insert into class values ("IATISCEOFS", "CSE4C"); gneest goto clar values ("18E17C\$ 1013, "C\$E8D"); 4. Insert into subject values ("IDC\$81", "ACA", "8", "4")5 Posert anto subject values C,10CE& 5, '. CZW, '. 8, '4,)! ensert ento subject values C.(OCE 83, LNW, 4, 4, 4,); ensert into subject values ("locs 84", "cc", "8", "4"); insert into subject values C'10C\$85', 'PO', '8', '4'); Insert into subject values ('IDCSH', 'OOAD', "7', "4'); Prisert anto subject values ("10(5+2), "F(\$), "7", "4"); Prosert Proto subject values ("10CE 73", "PTO", "7", "4"); Prisert anto subject values ("locs 74", " DUDM", "7", "4"); Prisert anto subject values ('10c8 75', 'Java', '7', '4'); Posert anto subject values (10cs51', 'ME', '5', '4'); Teacher's Signature:

| select * from |       | s€M | CREDITS |
|---------------|-------|-----|---------|
| 60BCODE       | TITLE | 8   | 4       |
| IOCS81        | AcA   | g   | 4       |
| locse2        | SSM   | 8   | 4       |
| 100583        | NM    | g   | +       |
| 100584        | cc    | 8   | 4       |
| 100.585       | PN    | *   | 4       |
| 100571        | COAD  |     | 4       |
| 10CS72        | ECS.  | 7   | 4       |
| 10cs 73       | PTN   | 7   | 4       |
| locs74        | DNDM  |     | 4       |
| 100875        | Java  | 7   | 4       |
| 10cs76        | SAN   | 7   | 4       |
| 100851        | ME    | 5   |         |
| IOC 8 52      | CN    | 5   | 4       |
| CS 53         | OBMS  | 5   | 4       |
| ocs54         | ATC   | 5   | 4       |
| OCS55         | Java  | 5   | 3       |
| DCS41         | AL    | 4   | 3       |
| ocs42         | M 4   | 4   | 4       |
| ocs43         | SE    | +   | 4       |
| XS44          | DAA   | *   | +       |
| cs45          | MPMC  | 4   | 4       |
| xst6          | 00c   | +   | 3       |
| cs31          | DC    | 3   | 3       |
| CS 32         | M3    | 3   | 4       |
| c <b>53</b> 3 | ADE   | 3   | 4       |
| 534           | co    | 3   | 4       |

| No. 4                             | Date        |
|-----------------------------------|-------------|
|                                   | Page No. 27 |
| Prisert into subject values       |             |
| ( 10CS 62', CN) (6)               |             |
| insert into subject               |             |
| C 10(200), OBMS), (2) (420)       |             |
| moser into subject values         |             |
| ("IOC\$ 54", "ATC", "5" (71)      |             |
| Posert yoto subject values        |             |
| C'10CS 55 4 7, "JAVA", "5) (3)).  |             |
| 9nsert 9nto subject values        |             |
| C'IOC\$ 556 1, " At 1, "57, "3"); |             |
| Insert into subject values        |             |
| CIOCS 56 7, " M4 7, "47, "47);    |             |
| Insert into subject values        |             |
| ("locs42", " \$E", "4", "4");     |             |
| Prosert anto subject values       |             |
| ("10C\$43", 'DAA', '4", '4);      | 1110        |
| Insert Parto subject values       |             |
| ("IOCE 44", "MPMC", "4", "4");    |             |
| Posert Porto subject values       |             |
| ('10C\$45', '00c', '4', '3');     |             |
| Posert Porto subject rocalues     |             |
| ('10C\$46', 'DC', '4', '3');      |             |
| Prisert Prito subject values      |             |
| ("locs 31", "M3", "4", "4");      |             |
| Insert into subject values        |             |
| ('locs 32', 'ADE', '4', '4');     |             |
| Insert into subject values        |             |
| (loce 33', 'DSA', '4', '4');      |             |

SUBCODE TITLE SEM CREDITS

10CS 35 USP 3 3

10CS 36 DMS 3 3

Sclect \*

from TAMarks;

USN SUBCODE SSTD Test! Test2 Test3 FinalTh

USN SUBCODE SSTD Test! Test2 Test3 FinalTh

1ATT3CSOQI 10CS 21 CSE 22 12 19 14

1ATT3CSOQI 10CS 22 CSE 22 12 19 14

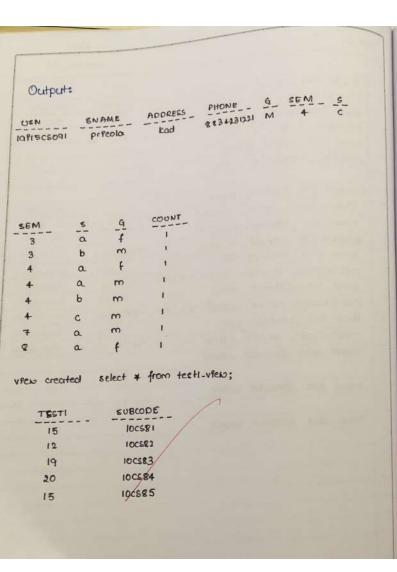
1ATT3CSOQI 10CS 23 CSE 22 19 15 20

1ATT3CSOQI 10CS 24 CSE 22 20 16 19

1ATT3CSOQI 10CS 24 CSE 22 20 16 19

1ATT3CSOQI 10CS 25 CSE 20 16 19

|   | Page No. 38 |
|---|-------------|
| incert into subject values                      |             |
| ("10C\$34", "co", "4");                         |             |
| Insert into subject values                      | 3000        |
| ('10C\$35', 'O\$P', '4', '3'):                  |             |
| ansert anto subject values                      |             |
| (,loc 36, , DWE, ', +, ', 3,);                  |             |
| 5. Posert 90to IAMarks values                   |             |
| C'IATI3CS0913, "1005813, "CSERC", "153, "16"    | . ((8));    |
| gneert into IAMarks values                      |             |
| C'IATIBCS091', '10CS82', 'CSE8C', '17, '19), '1 | 41);        |
| 9nsert 9nto IAMarks values                      |             |
| ("ATI 3CSOAI", "10CS 83", "CSE8C", "19", "15",  | °20');      |
| Insert into IAMarks values                      |             |
| CTATI3CS091", "locs84", "CSE8C", "20", "16", "  | (יף);       |
| Prisert Prito IAMarks values                    |             |
| ("TATI3CSO91", "10CS 85", "CSEBC", "15", "15",  | (12');      |
| Porsert Prito Implicate values                  |             |



| lun. | t. No. 4 Date  |  |  |  |
|------|--|--|--|--|
| XP   | Page No. 29  |  |  |  |
| -    | Querfcs:   |  |  |  |
| 1.   | Lifest all student details studying in fourth semester ic, section   |  |  |  |
| +    | select s.*, E.sem, E.sec   |  |  |  |
| -    | from student s, semsec E, class c  |  |  |  |
|      | where soven=courn and E.setD=courn and E.sem=4 and   |  |  |  |
| _    | E. gec = 'C';  |  |  |  |
| _    | and the latest the second seco |  |  |  |
| 1.   | Compute the total number of male and female students on each   |  |  |  |
|      | semester and in each section.  |  |  |  |
|      |  |  |  |  |
|      | select E.sem, E.sec, E.gender, count(s.gender) as count  |  |  |  |
|      | from etudent S, semsee E, class C  |  |  |  |
|      | where soush according to serial accepted   |  |  |  |
|      | group by E. sem, E. sec, signider  |  |  |  |
| _    | order by sem;  |  |  |  |
| 3.   | Create a view of test marks of student USN "18645CSD1" in  |  |  |  |
|      | all subjects   |  |  |  |
|      |  |  |  |  |
|      | create view testi-view as  |  |  |  |
|      | eelect testl, subcode  |  |  |  |
|      | from IAMarks,  |  |  |  |
|      | where wen = "18 c15csio1";   |  |  |  |
|      |  |  |  |  |
|      |  |  |  |  |
|      |  |  |  |  |

PHONE G CAT

97402151+10 f Ocutstanding ADDRESS NAME\_ USN \_\_\_\_\_ ckm 9740&151710 & outstanding Marsh 1091305091 ckm 97402151710 f Outetanding March 1091305091 ckm 97409151710 f Outstanding Marsh 1091305091 ckm 97402151710 f outstanding Morsh 1091305091 ckm Marsh

1071305091

Expt. No. 4 Page No. 31 \_\_ DBMs\_output. put\_Ime ( rsum = , II c-sm); \_ DBMs - output. put-line ("Average = " II C - AV); update IAMarks set finalIA = C-AV where current of C-IAMarks; C-TAMorks; end loop; close C-IAMarks; end; 5. Categorize students based on the following criteria If finalIA = 17 to 20 then CAT = "outstanding".
If finalIA = 12 to 16 then CAT = "Average" If finalIA <12 then CAT= "beak" Give these details only for 8th comester A, B and C sections students. select s.usn, s.sname, s.address, s.phone, s.gender, case. When IA. finally between 17 and 20 then 'outstanding' when IA. AnallA between 12 and 16 then 'Average' else 'weak' End) as CAT from student s, semsec E, TAMarks IA, subject sub where s.usn = IA.usn and E. ssid = IA.ssid and sub.subcode=TA.subcode and sub.sem=8; Teacher's Signature: \_

Procedure created

execute augmarks; PLIsQL procedure successfully completed

set serveroutput on; select \* from tamarks;

| USN        | SUBCODE | SSID   |    | Test2 | Tect3 | 17 |
|------------|---------|--------|----|-------|-------|----|
| 1011805091 | 100581  | CSE &C |    | 19    | 14    | 17 |
| 1091305091 | 10CS82  | CSESC  | 12 | 15    | 20    | 20 |
| 191305091  | 100583  | CSE8C  | 20 | 16    | 19    | 20 |
| 1011305091 | 1003 8+ | CSERC  | 15 | 15    | 12    | 15 |
| 191308091  | locs95  | 236    | /  |       |       |    |

Date . Expt. No. 4 Page No. 30 A. Calculate the final TA Caverage of best two test marks) and applicate the corresponding table for all students create or replace procedure avamarks cursor c\_IAMarks 15 select greatest (Teet), Teets) as A, greatest (Test), Tests) as B, greatest (Test 3, Test 2) as C from IAMarks where finalIA is null for update; C-A number; C-B number; c-c number; c\_sm number; c-AV number; Begin open c-tamarks; 600p fetch c\_IAMarks into c\_A, c\_B, c\_c; exit when c\_IAMarks ". Notfound; -- DBMS\_output. put\_line (c-A || ' ) || E-B || ' ' || C-C); of cc=A1=C-B) then C-SM := C-A+C-B; C-SM:=e-A+C-C; end if; C\_AV = C\_SM/2; Teacher's Signature : \_\_\_