LAB 5

q. Create a package CIE which has I dasses—
student of Internals. The class stendent has
numbers like usn name sem. The class internals
has an away that stores the internal marks 3 world on fine courses of the current generally of the student create another package which has the dass Enternal which is a derived class of student. This dass has an every that stones the SEE morks stoned in 5 courses of the wrient senester of the student. Import the two packages on a file that declares that the Anal marks of n students in all 5 courses packag CIE; public sking usn; public 3nt sem; public sking name, public void accept () Scanner Enput = new Scanner (system.in) g System out printer ("Enter details: ");
System out printer ("Enter details: "); name = input - nent Line (); System. out. printtn (" Enter us n:"); Pun > Input nent line();

parkage CIE;

dans Juhernals

?

Public ^ ent_marks [] = new int [5];

. Internals (* 9, 1 ic) parkage see; class entends student; package SEt;

Proport CIE. sholent;

class Enternal enternal student

Public int ent-marks [] = new int[s];

} emport see. *;

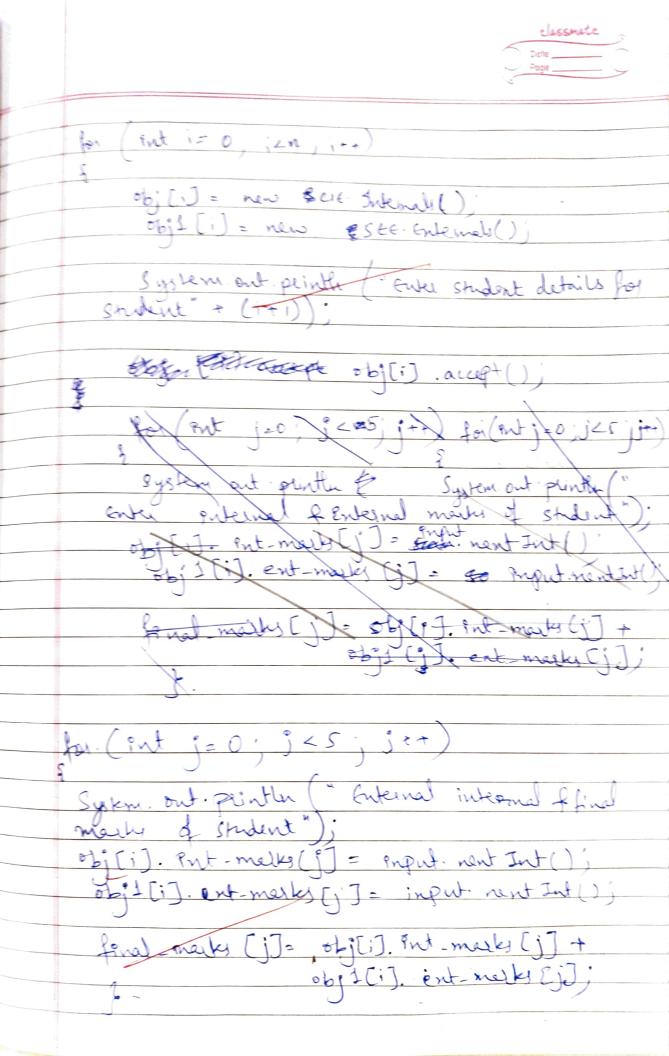
emport see. *;

emport java. util . *; Public das Fralmaries Jublic static vad main (String arge [7) Put & final marks (] = new fint (5)'

Scanner input = new Scanner (system in)

System. out printle ("futer mo. of Students");

ent & n = great next 2nt (); Ste. Internals obj[]= new CIE Inkinals[n].



System. out. peinter (" Final marks of" + 85j1[i].rom) for (int K=0; K<59 K++) Syrken. out printer (" course" + (K+1) + OUTPUT: Enter n Enter spread details for student 1 Enke details Name: Chel 4 USN: 012 sem ! 3 Enke internal and final marky 23 23 Enter internel and final marky Ester Internal and Ainal monty
23 23 Enter internal & final morty 34 34 345 45 had marky: Final marks of Charil Course 2: 46 Course 5:90

Date ______

Algorithm: Step 1: Step Start Step 2: create a package cit reale a dans gudent. step 3: weste a method Accept() in student. which reads us, name, sem? skp 4. Create a dars Internals. Step 5: weak a parkage SEE. step 6 : create à dans Enternal entending Student. Step 7 for i= 0 to n-1 do call obj [i]. accept() 3rep 8: 801 1 = 0 to \$1+ do Enput marks for student #? and final-marks [j] = obj[i]. int marks [j] +
obj1[i]. ent-marks[j] ende for. Step 9: for K=0 to 5-1, do.

print course (K+1): final marks (re] endst has. to: stop, end of for.

step 10: stop

100 00 24

```
Enter n
Enter Student details for student1
Enter details
Name:
CHARVI
USN:
1nm22cs012
Sem:
Enter Internal and final marks
23
23
Enter Internal and final marks
23
23
Enter Internal and final marks
23
23
Enter Internal and final marks
34
Enter Internal and final marks
45
45
Final marks ofcHARVI
Course1:46
Course2:46
Course3:46
Course4:68
Course5:90
Enter Student details for student2
Enter details
Name:
ABC
USN:
1BM22CS012
Sem:
Enter Internal and final marks
12
12
Enter Internal and final marks
12
12
Enter Internal and final marks
12
12
Enter Internal and final marks
12
Enter Internal and final marks
12
12
Final marks ofABC
Course1:24
Course2:24
Course3:24
Course4:24
Course5:24
NAME:ADIKAR CHARVI SREE TEJA USN:1BM22CS012
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