ALGORITHM step 1: START step 2: READ usn, nave, creditts [], morker[] step 3: grade() junc. if (marks 7=90 at marks 4=100) return 10; dre. if (marks 7= 80 at marks (90) return 9; obset (marks 7-70 gd marks < 80) return 8 elxief (marks 7=60 Al marks < 70) return 7; alse if (marks ?= 30 && marks c 60) return 6; alse if ( works >= 40 d4 machs (50) returns; print fail return 0. step 4'. Calculating pa () funcc initialism i = 0 indials i=0, tell 2 25 2++

sum of credits += credits [i]

total sum of mades += grade + audif [i] seturn num/sum-bredits; rtep 5: Print rapa Net 6 end.

LAB-2 Program to calculate soft of student import java util. +; class student fublic static string usn' public static string name; fublic static int credits []; fublic static void main (string ags []) System. out. fristlin ("Enter your details: ");

getystem. out. fristlin moure + "get" + Caludateges

+ "sypa"); public statec word getdetails() Seannes infect = new Seannes ( System in) Degetern out faint ("Enter your USN:"); System. out. frint ("Enter your name") mame = infint. medt (); credits = new int[5]; marks = new int[5]; 101 ( int = 0; i < 5; ) ++) System. out fried ("Enter your mores in Dubject "+(i+1)+":");
marks[i]=infrit medInt(); Subject "future out femile" Enter the credits of fublic static double calculatergha () for ( int = 0 ; = 5; i++) c = supple apoints (marks [i]); sum 4 = C + credits [i] return (double) suns sum tredits public static int subject points (int marks) if (marks 7=90 ded marks 2 = 100) else if (marks == 80 &8 marks < 20) elst if ( marks 7= 70 84 marks 4 80) else if / marks >= 60 Ll marks = 70) else if (masks >= 50 & s masks < 60)

else if (masks >= 40 & masks < 50)

return 5;

else

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