Student marksheet C programe (name,roll no,department,sem,5 subjectmarks,calculate total,average mark,grade calculate,calculate pass or fail)using conditional statement :

#include <stdio.h>

int main() {

char name[50], dept[30];

int roll, sem;

int marks[5], total = 0;

float avg;

int i;

printf("Enter Name: ");

scanf("%s", name);

printf("Enter Roll No: ");

scanf("%d", &roll);

printf("Enter Department: ");

scanf("%s", dept);

printf("Enter Semester: ");

scanf("%d", &sem);

printf("Enter marks of 5 subjects:\n");

for(i = 0; i < 5; i++) {

printf("Subject %d: ", i+1);

scanf("%d", &marks[i]);

total += marks[i];

}

avg = total / 5.0;

printf("\n----- Student Marksheet -----\n");

printf("Name : %s\n", name);

printf("Roll No : %d\n", roll);

printf("Department : %s\n", dept);

printf("Semester : %d\n", sem);

printf("Total Marks: %d\n", total);

printf("Average : %.2f\n", avg);

if(avg >= 90)

printf("Grade: A+\n");

else if(avg >= 75)

printf("Grade: A\n");

else if(avg >= 60)

printf("Grade: B\n");

else if(avg >= 50)

printf("Grade: C\n");

else

printf("Grade: F\n");

int pass = 1;

for(i = 0; i < 5; i++) {

if(marks[i] < 40) {

pass = 0;

break;

}

}

if(pass)

printf("Result: PASS\n");

else

printf("Result: FAIL\n");

return 0;

}

**Out put:**

Enter Name: JONES

Enter Roll No: 17

Enter Department: MECHANICAL

Enter Semester: 3

Enter marks of 5 subjects:

Subject 1: 98

Subject 2: 95

Subject 3: 99

Subject 4: 100

Subject 5: 96

----- Student Marksheet -----

Name : JONES

Roll No : 17

Department : MECHANICAL

Semester : 3

Total Marks: 488

Average : 97.60

Grade: A+

Result: PASS

=== Code Execution Successful ===