**PROGRAM 1**

**MARKS,TOTAL,AVERAGE AND GRADE OF THREE SUBJECTS**

#include<stdio.h>

int main()

{

float m1,m2,m3,total,avg;

char grade;

printf("Enter the marks of three subjects\n");

scanf("%f %f %f",&m1,&m2,&m3);

total=m1+m2+m3;

avg=total/3;

printf("The total marks is:%.2f \n",total);

printf("The average is:%.2f \n",avg);

if(avg>=90)

{

grade='A';

}

else if(avg>=80)

{

grade='B';

}

else if(avg>=70)

{

grade='C';

}

else if(avg>=60)

{

grade='D';

}

else if(avg>=50)

{

grade='E';

}

else

{

grade='F';

}

printf("Grade=%c",grade);

if(avg>=50||m1>=50||m2>=50||m3>=50)

{

printf("\nResult is PASS");

}

else

{

printf("\nResult is FAIL");

}

return 0;

}

**Output**

**A**

Enter the marks of three subjects

95

95

97

The total marks is:287.00

The average is:95.67

Grade=A

Result is PASS

**B**

Enter the marks of three subjects

70

80

90

The total marks is:240.00

The average is:80.00

Grade=B

Result is PASS

**C**

Enter the marks of three subjects

70

73

68

The total marks is:211.00

The average is:70.33

Grade=C

Result is PASS

**D**

Enter the marks of three subjects

60

58

62

The total marks is:180.00

The average is:60.00

Grade=D

Result is PASS

**E**

Enter the marks of three subjects

50

52

55

The total marks is:157.00

The average is:52.33

Grade=E

Result is PASS

**F**

Enter the marks of three subjects

40

38

42

The total marks is:120.00

The average is:40.00

Grade=F

Result is FAIL