### Experiment – No-7

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| --- | --- | --- |
| Objective: A program to calculate the marks of 5 subject is given as input. Find the average. If average is > 50 display pass otherwise fail. | | |
| Scheduled Date | Compiled Date | Submission Date |
| 27-Dec-2020 | 27-Dec-2020 | 27-Dec-2020 |

### Program : A program to calculate the marks of 5 subject is given as input. Find the average. If average is > 50 display pass otherwise fail.

### Algorithm

Step 1: Start

Step 2: Declare variables m1, m2, m3, m4, m5, per.

Step 3: Read value of m1, m2, m3, m4, m5.

Step 4: calculate per = (m1+m2+m3+m4+m5)\*100/500

Step 5: Print percentage of student using printf.

Step 6: Apply condition :

If (per>=50)

Print pass. else, fail.

Step : Stop.

### Flowchart Segment:

Input m1,m2,m3,m4,m5,

per

Per=m1+m2+m3+m4+m5\*100/500

Print per

If

(per>=50)

Print

“fail”

Print

“pass”

**Program**

/\*compute the average of 4 number\*/

#include<stdio.h>

int main()

{

    int m1, m2, m3, m4, m5;

    float per;

    printf("enter the first subject marks");

    scanf("%d",&m1);

    printf("enter the second subject marks ");

    scanf("%d",&m2);

    printf("enter the third subject marks");

    scanf("%d",&m3);

    printf("enter the fourth subject marks");

    scanf("%d",&m4);

     printf("enter the fifth subject marks");

    scanf("%d",&m5);

    per=(((m1+m2+m3+m4+m5)\*100)/500);

    printf("percentage of student %f",per);

    if  (per >= 50){

        printf("\npass");

    }

    else{

    printf("\nfail");

    }

    return 0;

}

### Output Screen

PS C:\Users\WIN10\Desktop\clab> gcc percentage.c

PS C:\Users\WIN10\Desktop\clab> ./a.exe

enter the first subject marks56

enter the second subject marks 57

enter the third subject marks58

enter the fourth subject marks55

enter the fifth subject marks59

percentage of student 57.000000

pass