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REG NO: RA2111031010062

```c
#include <stdio.h>
#include<string.h>
#include<stdlib.h>
void input();
int calculations();
void show();
void m3();
void edc();
void emi();
void oopds();
void nas();
void result();
void remark();
int m,m1,n,n1,o,o1,p,p1,q1,q2,r,total,per,t1,t2,t3,t4,t5;
char b[20],ch[20],a[50],e[8],d[30],grade,res[5],rem[16],q,x,y,u,v;
char s[] = "pass";
char s1[] = "fail";
char s3[] = "Congratulations";
char s4[] = "    ";

int main()
{ input();
        calculations();
        m3();
        edc();
        emi();
        oopds();
        nas();
```

```c
        result();

        remark();

        show();

        return 0;


}
void input(){

        printf("Enter your name : ");

        gets(ch);

        printf("Enter place : ");

        gets(b);

        printf("Enter clg name : ");

        gets(a);

        printf("Enter DATE (dd/mm/yyyy) : ");

        gets(d);

        printf("Enter Medium : ");

        gets(e);

        printf("Enter ROLL NO : ");

        scanf("%d",&r);

        ayu:

                printf("\nEnter APPLIED MATHEMATICS III ");

          scanf("%d",&m);

          if(m>=80){

                        printf("\nplz enter less than 80 ");

                goto sowm;

                 }

                 sowm:

                 printf("\nEnter APPLIED MATHEMATICS III Internals ");

          scanf("%d",&m1);

          if(m1>=20){

                        printf("\nplz enter less than 20 ");
```

```c
            goto sowm1;

            }
sow1:
        printf("\nEnter Electronic Devices & Circuits ");
    scanf("%d",&n);
    if(n>=80){
                printf("\nplz enter less than 80 ");
        goto sow1;

        }
        sowm1:
        printf("\nEnter Electronic Devices & Circuits (prac) ");
    scanf("%d",&n1);
    if(n1>=20){
                printf("\nplz enter less than 20 ");
        goto sowm1;

        }
sow2:
        printf("\nEnter Electronic Measurement Instrumentation ");
    scanf("%d",&o);
    if(o>=80){
                printf("\nplz enter less than 80 ");
        goto sow2;

        }
    sowm2:
        printf("\nEnter Electronic Measurement Instrumentation(prac) ");
    scanf("%d",&o1);
    if(o1>=20){
                printf("\nplz enter less than 20 ");
        goto sowm2;

        }
sow3:
```

```c
            printf("\nEnter OOPS & Data Structure ");
        scanf("%d",&p);
        if(p>=80){
                printf("\nplz enter less than 80 ");
            goto sow3;
            }
            sowm3:
            printf("\nEnter OOPS & Data Structure Practical ");
        scanf("%d",&p1);
        if(p1>=20){
                printf("\nplz enter less than 20 ");
            goto sowm3;
            }
    sow4:
            printf("\nNetwork Analysis & Synthesis ");
        scanf("%d",&q1);
        if(q1>=80){
                printf("\nplz enter less than 80 ");
            goto sow4;
            }
            sowm4:
            printf("\nNetwork Analysis & Synthesis ");
        scanf("%d",&q2);
        if(q2>=20){
                printf("\nplz enter less than 20 ");
            goto sowm4;
            }
}
void show(){
        int i=0,i1=0,j=0,j1=0,k=0,k1=0,l=0,l1=0;
        while(i1<113){
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                    printf("*");

                    i1++;}
    printf("\n|");

            printf("\n| \t\t\t THIRD SEMESTER OF BACHELOR OF ENGINEERING  ,  WINTER 2019 ");

            printf("\n|\n");

            while(i<113){

                    printf("-");

                    i++;

            }

            printf("\n| NAME : %s \t \t",ch);

            printf("\n| DATE : %s  \t\t\t\t\t  PLACE : %s",d,b);

            printf("\n| CLG NAME : %s \t \t ",a);

            printf("\n| MEDIUM : %s \t \t \t \t \t\t  ROLL NO. : %d \n",e,r);

            while(j<113){

                    printf("-");

                    j++;

            }

            printf("\n|\t SUBJECTS    \t\t\t\t| marks\t\t| practical\t|\tTotal \t| Obtained\t|\n");

            while(k<113){

                    printf("-");

                    k++;

            }

            printf("\n| APPLIED MATHEMATICS III     \t\t\t| %d\t\t| %d\t\t|\t100 \t|\t%d %c\t|",m,m1,m+m1,q);

            printf("\n| Electronic Devices & Circuits\t\t\t| %d\t\t| --\t\t|\t80 \t|\t%d %c\t|",n,n,x);

            printf("\n| Electronic Devices & Circuits(prac)\t\t| --\t\t| %d\t\t|\t20 \t|\t%d \t|",n1,n1);

            printf("\n| Electronic Measurement Instrumentation \t| %d\t\t| --\t\t|\t80 \t|\t%d %c\t|",o,o,y);

            printf("\n| Electronic Measurement Instrumentation(prac)  | --\t\t| %d\t\t|\t20 \t|\t%d %c\t|",o1,o1);

            printf("\n| OOPS & Data Structure\t\t\t\t| %d\t\t| --\t\t|\t80 \t|\t%d %c\t|",p,p,u);

            printf("\n| OOPS & Data Structure (prac)\t\t\t| -- \t\t| %d\t\t|\t20 \t|\t%d \t|",p1,p1);
```

```c
        printf("\n| Network Analysis & Synthesis \t\t\t| %d\t\t| %d\t\t|\t100 \t|\t%d %c\t|\n",q1,q2,q1+q2,v);
        while(l<113){
                printf("-");
                l++;
                }
        printf("\n|\tTotal marks obt\t\t| \t Out of Marks\t |     PERCENTAGE\t| \t Result   | GRADE   |\n");
        while(l1<113){
                printf("-");
                l1++;
                }
        printf("\n|\t\t%d\t\t|\t   500 \t|\t   %d \t|  \t %s     |\t  %c   |\n",total,per,res,grade);
        while(k1<113){
                printf("*");
                k1++;}
        printf("\n|");
        printf("\n|\t\t\t\t%s  You are %sed !",rem,res);
        printf("\n| \n");
        while(j1<113){
                printf("*");
                j1++;}
        printf("\n\n\n");
        printf("\n\t\t\t\t\tMADE BY SOWMYA :) \n");
        //printf("\n\n\n");
                /*while(z<113){
                printf("*");
                z++;}*/
}
int calculations(){

        char res[5];
```

```
            t1=m+m1;

            t2=n+n1;

            t3=o+o1;

            t4=p+p1;

            t5=q1+q2;

            total = t1+t2+t3+t4+t5;

            per = total/5;


            if(per>= 90)

                grade = 'A';
    else if(per>= 80)

        grade = 'B';
    else if(per>= 70)

        grade = 'C';
            else if(per>= 60)

        grade = 'D';
            else if(per>= 40)

        grade = 'E';
            else

        grade = 'F';
}
void m3(){
        if(t1<40){

                q ='#';


        }
        else

          q = ' ';


}
```

```c
void edc(){
        if(t2<40){
                x ='#';


        }
        else
          x = ' ';
        fflush(stdin);
}
void emi(){
        if(t3<40){
                y ='#';
                fflush(stdin);
        }
        else
          y = ' ';
        fflush(stdin);
}
void oopds(){
        if(t4<40){
                u ='#';
                fflush(stdin);
        }
        else
          u = ' ';
        fflush(stdin);
}
void nas(){
        if(t5<40){
                v ='#';
                fflush(stdin);
```

```c
        }
        else
            v = ' ';
        fflush(stdin);
}
void result(){
        if(per>40){
                strcpy(res,s);
        }
        else
            strcpy(res,s1);
}
void remark(){
        if(per>40){
                strcpy(rem,s3);
        }
        else
            strcpy(rem,s4);
}
```

OUTPUT:


```
Enter your name : sowmya
Enter place : chennai
Enter clg name : SRM
Enter DATE (dd/mm/yyyy) : 24/02/2004
Enter Medium : english
Enter ROLL NO : RA2111031010062

Enter APPLIED MATHEMATICS III
Enter APPLIED MATHEMATICS III Internals
Enter Electronic Devices & Circuits
Enter Electronic Devices & Circuits (prac)
Enter Electronic Measurement Instrumentation
Enter Electronic Measurement Instrumentation(prac)
Enter OOPS & Data Structure
Enter OOPS & Data Structure Practical
Network Analysis & Synthesis
Network Analysis & Synthesis ***********************************************************************
**************************
|
|                    THIRD SEMESTER OF BACHELOR OF ENGINEERING  ,  WINTER 2019
|
-------------------------------------------------------------------------------------------------
| NAME : sowmya
| DATE : 24/02/2004                                   PLACE : chennai
| CLG NAME : SRM
| MEDIUM : english                                    ROLL NO. : 0
-------------------------------------------------------------------------------------------------
```



```
Network Analysis & Synthesis ***********************************************************************
**************************
|
|                    THIRD SEMESTER OF BACHELOR OF ENGINEERING  ,  WINTER 2019
|
-------------------------------------------------------------------------------------------------
| NAME : sowmya
| DATE : 24/02/2004                                   PLACE : chennai
| CLG NAME : SRM
| MEDIUM : english                                    ROLL NO. : 0
-------------------------------------------------------------------------------------------------
|        SUBJECTS                          | marks   | practical   |    Total  | Obtained   |
-------------------------------------------------------------------------------------------------
| APPLIED MATHEMATICS III                  | 0       | 0           |    100    |    0 #     |
| Electronic Devices & Circuits            | 0       | --          |    80     |    0 #     |
| Electronic Devices & Circuits(prac)      | --      | 0           |    20     |    0       |
| Electronic Measurement Instrumentation   | 0       | --          |    80     |    0 #     |
| Electronic Measurement Instrumentation(prac) | --  | 0           |    20     |    0       |
| OOPS & Data Structure                    | 0       | --          |    80     |    0 #     |
| OOPS & Data Structure (prac)             | --      | 0           |    20     |    0       |
| Network Analysis & Synthesis             | 0       | 0           |    100    |    0 #     |
-------------------------------------------------------------------------------------------------
|    Total marks obt      |     Out of Marks   |   PERCENTAGE    |    Result   |   GRADE    |
-------------------------------------------------------------------------------------------------
|         0               |        500         |        0        |    fail     |     F      |
*************************************************************************************************
|
```

```
                                              input
| SUBJECTS                                    | marks     | practical  |    Total  | Obtained    |
-----------------------------------------------------------------------------------------------
| APPLIED MATHEMATICS III                     | 0         | 0          |    100    |    0 #      |
| Electronic Devices & Circuits               | 0         | --         |    80     |    0 #      |
| Electronic Devices & Circuits(prac)         | --        | 0          |    20     |    0        |
| Electronic Measurement Instrumentation      | 0         | --         |    80     |    0 #      |
| Electronic Measurement Instrumentation(prac)| --        | 0          |    20     |    0        |
| OOPS & Data Structure                       | 0         | --         |    80     |    0 #      |
| OOPS & Data Structure (prac)                | --        | 0          |    20     |    0        |
| Network Analysis & Synthesis                | 0         | 0          |    100    |    0 #      |
-----------------------------------------------------------------------------------------------
|      Total marks obt       |        Out of Marks   |   PERCENTAGE   |      Result   |   GRADE   |
-----------------------------------------------------------------------------------------------
|          0                 |          500          |       0   |   fail       |      F    |
***********************************************************************************************
|
|                           You are failed !
|
***********************************************************************************************



                            MADE BY SOWMYA :)


...Program finished with exit code 0
Press ENTER to exit console.
```