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#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();
```

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	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);
	sow:
		printf("\nEnter APPLIED MATHEMATICS III ");
	  scanf("%d",&m);
	  if(m>=80){
			printf("\nplz enter less than 80 ");
		goto sow;
		  }
		  sowm:
		  printf("\nEnter APPLIED MATHEMATICS III Internals ");
	  scanf("%d",&m1);
	  if(m1>=20){
			printf("\nplz enter less than 20 ");
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        goto sowm;
          }
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:
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                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\t  PLACE : %s",d,b);
        printf("\n| CLG NAME : %s \t \t ",a);
        printf("\n| MEDIUM : %s \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);
```

```
	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\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 = ' ';

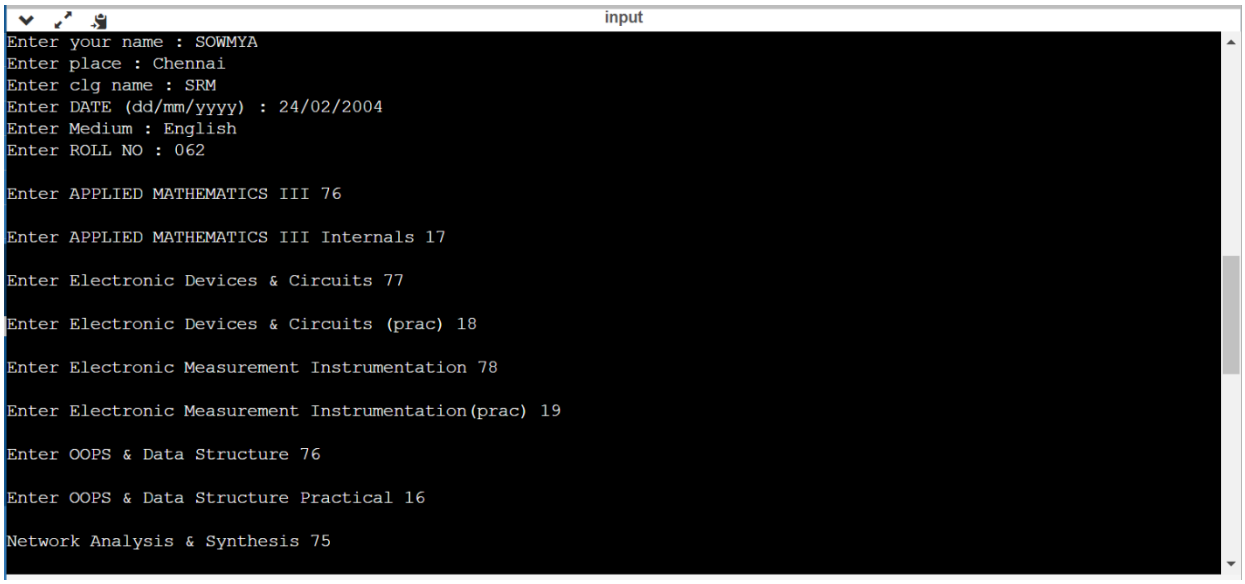
}
```

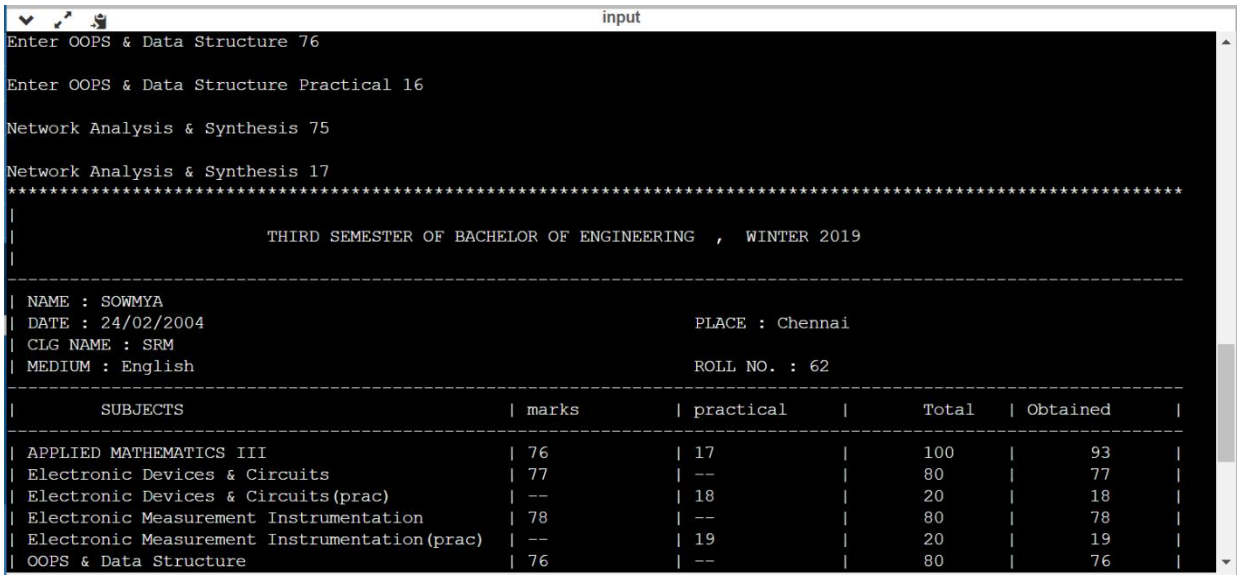
```
void edc(){
	if(t2<40){
		x ='#';

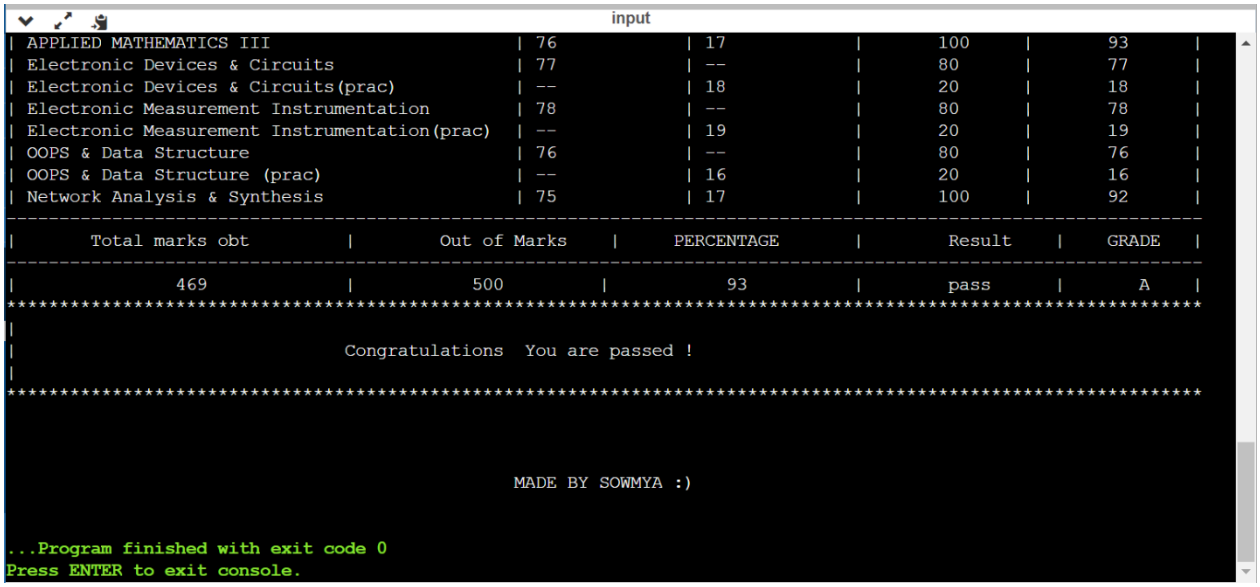
	}
	else
	   x = ' ';
	fflush(stdin);
}
void emi(){
	if(t3<40){
		y ='#';
		fflush(stdin);
	}
	else
	   y = ' ';
	fflush(stdin);
}
void oopds(){
	if(t4<40){
		u ='#';
		fflush(stdin);
	}
	else
	   u = ' ';
	fflush(stdin);
}
void nas(){
	if(t5<40){
		v ='#';
		fflush(stdin);
```

```
        }
        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:


input
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 : 062
Enter APPLIED MATHEMATICS III 76
Enter APPLIED MATHEMATICS III Internals 17
Enter Electronic Devices & Circuits 77
Enter Electronic Devices & Circuits (prac) 18
Enter Electronic Measurement Instrumentation 78
Enter Electronic Measurement Instrumentation(prac) 19
Enter OOPS & Data Structure 76
Enter OOPS & Data Structure Practical 16
Network Analysis & Synthesis 75


input
Enter OOPS & Data Structure 76
Enter OOPS & Data Structure Practical 16
Network Analysis & Synthesis 75
Network Analysis & Synthesis 17
THIRD SEMESTER OF BACHELOR OF ENGINEERING , WINTER 2019
NAME : SOWMYA
DATE : 24/02/2004
PLACE : Chennai
CLG NAME : SRM
MEDIUM : English
ROLL NO. : 62
SUBJECTS | marks | practical | Total | Obtained
APPLIED MATHEMATICS III | 76 | 17 | 100 | 93
Electronic Devices & Circuits | 77 | -- | 80 | 77
Electronic Devices & Circuits(prac) | -- | 18 | 20 | 18
Electronic Measurement Instrumentation | 78 | -- | 80 | 78
Electronic Measurement Instrumentation(prac) | -- | 19 | 20 | 19
OOPS & Data Structure | 76 | -- | 80 | 76


input
APPLIED MATHEMATICS III	76	17	100	93
Electronic Devices & Circuits	77	--	80	77
Electronic Devices & Circuits(prac)	--	18	20	18
Electronic Measurement Instrumentation	78	--	80	78
Electronic Measurement Instrumentation(prac)	--	19	20	19
OOPS & Data Structure	76	--	80	76
OOPS & Data Structure (prac)	--	16	20	16
Network Analysis & Synthesis	75	17	100	92
Total marks obt	Out of Marks	PERCENTAGE	Result	GRADE
469	500	93	pass	A
Congratulations You are passed !
MADE BY SOWMYA :)
...Program finished with exit code 0
Press ENTER to exit console.