MARKSHEET GENERATION SYSTEM

Submitted by

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BONAFIDE CERTIFICATE

Certified that this Course Project Report titled **"MARKSHEET GENERATION SYSEM"** is the bonafide work done by **AMIT TIWARI [RA2211003010590] and RISHI RAJ [RA2211003010595]** who carried out under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other work.

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PROBLEM STATEMENT

After the last exam Vikas was going his home. On the way he thought how the marksheet of a student is made. He has just studied the C programming language so he wanted to write a program to print the marksheet of a student. So help Vikas to write a program to take input necessary details and generate the marksheet.

METHODOLGY

Making a marksheet by taking user's input as

- ➢ Marks of each Subject
- ➢ Name
- ➢ Fathers name
- ➢ Mothers name
- ➢ Section
- ➢ Registration Number
- ➢ Branch
- ➢ Date of birth

CODING

```c
#include <stdio.h>

#include <stdlib.h>

char my_name[20], fa_name[20], mo_name[20], dob[15],
section[20],reg_number[40];

int chem_marks, pps_marks, poe_marks, math_marks, bio_marks, lang_marks;

void generate_marksheet()

{

    int grand_total;

    float presentage;

    grand_total = chem_marks + pps_marks + poe_marks + math_marks +
bio_marks + lang_marks;

    presentage = grand_total / 6;


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

    printf("|             SRM UNIVERSITY  KATTANKULATHUR CHENNAI
\n");

    printf("|                  SCHOOL OF COMPUTING           \n");

    printf("|--------------------------------------------------------------------------------\n");

    printf("|Your name: %s\tSECTION: %sth\tREG. Number: %s\n", my_name,
section, reg_number);
```

```c
printf("|Father name: %s\n", fa_name);

printf("|Mother name: %s\n", mo_name);

printf("|Date of birth: %s\n", dob);


printf("|----------------------------------------------------------------------------\n");

printf("|\tSUBJECTS    \tMAX MARKS\tMIN MARKS\tTHEORY MARKS\n");

printf("|----------------------------------------------------------------------------\n");

printf("|\tChemistry   \t 100    \t 33     \t   %d\n", chem_marks);

printf("|\tPPS        \t 100    \t 33     \t   %d\n", pps_marks);

printf("|\tPOE        \t 100    \t 33     \t   %d\n", poe_marks);

printf("|\tMATHEMATICS \t 100    \t 33     \t   %d\n", math_marks);

printf("|\tBIOLOGY     \t 100    \t 33     \t   %d\n", bio_marks);

printf("|\tLANGUAGE    \t 100    \t 33     \t   %d\n", lang_marks);

printf("|----------------------------------------------------------------------------\n");

printf("|\t         \t 600   |   GRAND TOTAL\t   %d\n", grand_total);

printf("|----------------------------------------------------------------------------\n");
if (presentage >= 81 && presentage <= 100)

{

   printf("|RESULT : PASS IN FIRST DIVISION\n");

   printf("|GRADE  : A+\n");

}

if (presentage >= 60 && presentage <= 80)

{

   printf("|RESULT : PASS IN FIRST DIVISION\n");
```

```c
        printf("|GRADE  : A\n");

    }

    else if (presentage >= 41 && presentage <= 59)

    {

        printf("|RESULT : PASS IN SECOND DIVISION\n");

        printf("|GRADE  : B\n");

    }

    else if (presentage >= 31 && presentage <= 40)

    {

        printf("|RESULT : PASS IN THIRD DIVISION\n");

        printf("|GRADE  : C\n");

    }

    else if (presentage >= 1 && presentage <= 30)

    {

        printf("\n|RESULT : Fail\n");

        printf("|GRADE  : D\n");

    }

    printf("|-------------------------------------------------------------------------
\n\n");

}

void take_user_info()

{

    char yesNo;

    printf("");
```

```c
    fflush(stdin);

    gets(my_name);

    printf("Enter your name: ");

    fflush(stdin);

    gets(my_name);

    printf("\nEnter father name: ");

    fflush(stdin);

    gets(fa_name);

    printf("Enter mother name: ");

    fflush(stdin);

    gets(mo_name);


    printf("Enter date of birth(dd/mm/yy): ");

    fflush(stdin);

    gets(dob);

    printf("Enter section: ");

    scanf("%s",&section);

    printf("Enter Reg. No.: ");

    scanf("%s", &reg_number);

    printf("Enter subject marks\n");
repeate:
    printf("Chemistry marks: ");

    scanf("%d", &chem_marks);

    if (chem_marks > 100 || chem_marks < 1)
```

```c
    {
        printf("invalid marks enter valid marks\n");

        goto repeate;

    }
repeate1:

    printf("PPS marks: ");

    scanf("%d", &pps_marks);

    if (pps_marks > 100 || pps_marks < 1)

    {

        printf("invalid marks enter valid marks\n");

        goto repeate1;

    }
repeate2:

    printf("  POE marks: ");

    scanf("%d", &poe_marks);

    if (poe_marks > 100 || poe_marks < 1)

    {

        printf("invalid marks enter valid marks\n");

        goto repeate2;

    }
repeate3:

    printf("Mathematics marks: ");

    scanf("%d", &math_marks);

    if (math_marks > 100 || math_marks < 1)
```

```c
    {
        printf("invalid marks enter valid marks\n");

        goto repeate3;

    }
repeate4:
    printf("Biology marks: ");

    scanf("%d", &bio_marks);

    if (bio_marks > 100 || bio_marks < 1)

    {
        printf("invalid marks enter valid marks\n");

        goto repeate4;

    }
repeate5:
    printf("Language marks: ");

    scanf("%d", &lang_marks);

    if (lang_marks > 100 || lang_marks < 1)

    {
        printf("invalid marks enter valid marks\n");

        goto repeate5;

    }


        generate_marksheet();


}
```

```c
void main()

{


    char yesNo;


    printf("\n          Welcome to marsheet generation project            \n\n");

    printf("If you want to generate your marsheet ");

    printf("then you have to provide some information\n");

    printf("If you want to provide information then press 'Y' otherwise 'N': ");

    scanf("%c", &yesNo);

    if (yesNo == 'y' || yesNo == 'Y')

    {

        take_user_info();

    }

    else

    {

        exit(0);

    }

}
```

RESULT

The above program executed successfully.

Output:

```
Welcome to marsheet generation project

If you want to generate your marsheet then you have to provide some information
If you want to provide information then press 'Y' otherwise 'N': Y
Enter your name: G. Gupta
Enter father name: S. Gupta
Enter mother name: K. Gupta
Enter date of birth(dd/mm/yy): 26/10/2003
Enter section: I1
Enter Reg. No.: RA22110030104XXX
Enter subject marks
Chemistry marks: 90
PPS marks: 78
POE marks: 89
Mathematics marks: 95
Biology marks: 97
Language marks: 90
```

```
|               SRM UNIVERSITY  KATTANKULATHUR CHENNAI
|                       SCHOOL OF COMPUTING
|----------------------------------------------------------------------------
    -
|Your name: G. Gupta     SECTION: I1th   REG. Number: RA22110030104XXX
|Father name: S. Gupta
|Mother name: K. Gupta
|Date of birth: 26/10/2003
|----------------------------------------------------------------------------
    -
|   SUBJECTS        MAX MARKS   MIN MARKS   THEORY MARKS
|----------------------------------------------------------------------------
    -
|   Chemistry        100         33          90
|   PPS              100         33          78
|   POE              100         33          89
|   MATHEMATICS      100         33          95
|   BIOLOGY          100         33          97
|   LANGUAGE         100         33          90
|----------------------------------------------------------------------------
    -
|                    600    |   GRAND TOTAL      539
|----------------------------------------------------------------------------
    -
|RESULT : PASS IN FIRST DIVISION
|GRADE   : A+
```

CONCLUSION

This mini project helped us to think how we can combine different types of functions in a single C program. This program uses user defined functions { take_user_info() and generate_marksheet()}

This program help us to get the marksheet in a systematic order and so as it also reduces the human error. And reduces the time.