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PROJECT NAME: MARKSHEET GENERATOR

CHANDIGARH UNIVERSITY

#include<stdio.h>

#include<stdlib.h>

char name[20], fa\_name[20], mo\_name[20], s\_name[40], dob[15];

int roll\_number, class,c\_marks, cp\_marks, azure\_marks, iot\_marks, java\_marks, python\_marks;

void generate\_marksheet()

{

    int grand\_total;

    float presentage;

    grand\_total = c\_marks + cp\_marks + azure\_marks + iot\_marks + java\_marks + python\_marks;

    presentage = grand\_total / 6;

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

    printf("|                  UIC WINNING CAMP MARKSHEET-2022                   |\n");

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

    printf("|Your name: %s\tclass: %dth\tRoll Number: %d\n", name, class, roll\_number);

    printf("|Father name: %s\n", fa\_name);

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

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

    printf("|School name: %s\n", s\_name);

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

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

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

    printf("|\tC programming        \t  100      \t   33       \t    %d\n", c\_marks);

    printf("|\tC++ programming      \t  100      \t   33       \t    %d\n", cp\_marks);

    printf("|\tAZURE                \t  100      \t   33       \t    %d\n", azure\_marks);

    printf("|\tIOT                  \t  100      \t   33       \t    %d\n", iot\_marks);

    printf("|\tJAVA                 \t  100      \t   33       \t    %d\n", java\_marks);

    printf("|\tPYTHON               \t  100      \t   33       \t    %d\n", python\_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");

        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("|RESULT : Fail\n");

        printf("|GRADE  : D\n");

    }

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

}

void take\_user\_info()

{

    char yesNo;

    printf("Enter your name: ");

    fflush(stdin);

    gets(name);

    printf("Enter father name: ");

    fflush(stdin);

    gets(fa\_name);

    printf("Enter mother name: ");

    fflush(stdin);

    gets(mo\_name);

    printf("Enter school name: ");

    fflush(stdin);

    gets(s\_name);

    printf("Enter date of birth name: ");

    fflush(stdin);

    gets(dob);

    printf("Enter class: ");

    scanf("%d", &class);

    printf("Enter roll No.: ");

    scanf("%d", &roll\_number);

    printf("Enter subject marks\n");

repeate:

    printf("C programming marks: ");

    scanf("%d", &c\_marks);

    if (c\_marks > 100 || c\_marks < 1)

    {

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

        goto repeate;

    }

repeate1:

    printf("C++ marks: ");

    scanf("%d", &cp\_marks);

    if (cp\_marks > 100 || cp\_marks < 1)

    {

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

        goto repeate1;

    }

repeate2:

    printf("AZURE marks: ");

    scanf("%d", &azure\_marks);

    if (azure\_marks > 100 || azure\_marks < 1)

    {

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

        goto repeate2;

    }

repeate3:

    printf("IOT marks: ");

    scanf("%d", &iot\_marks);

    if (iot\_marks > 100 || iot\_marks < 1)

    {

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

        goto repeate3;

    }

repeate4:

    printf("JAVA marks: ");

    scanf("%d", &java\_marks);

    if (java\_marks > 100 || java\_marks < 1)

    {

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

        goto repeate4;

    }

repeate5:

    printf("Pyhton marks: ");

    scanf("%d", &python\_marks);

    if (python\_marks > 100 || python\_marks < 1)

    {

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

        goto repeate5;

    }

    printf("\nIf you want to generate your marksheet then press 'Y' otherwise 'N': ");

    fflush(stdin);

    scanf("%c", &yesNo);

    if (yesNo == 'y' || yesNo == 'Y')

    {

        generate\_marksheet();

    }

    else

    {

        exit(0);

    }

}

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);

    }

}