**

*TAKE HOME FINAL EXAM (THFE)*

*(SPrıng 2020)*

STUDENT

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***CODE***

#include <stdio.h>

int main() {

int currentDegree, currentLevel, day;

printf("input the initial degree:");

scanf("%d",&currentDegree);

printf("input the initial level:");

scanf("%d",&currentLevel);

printf("input the total worked day:");

scanf("%d",&day);

int currentYear= 3\*(9-currentDegree)+(currentLevel-1);

int totalYear= currentYear+(day/360);

int finalDegree= currentDegree-((day/360))/3;

int finalLevel= (totalYear+1)-3\*(9-finalDegree);

if(finalLevel>3){

finalDegree=finalDegree-1;

finalLevel=finalLevel%3;

}

printf("final degeree:%d\n", finalDegree);

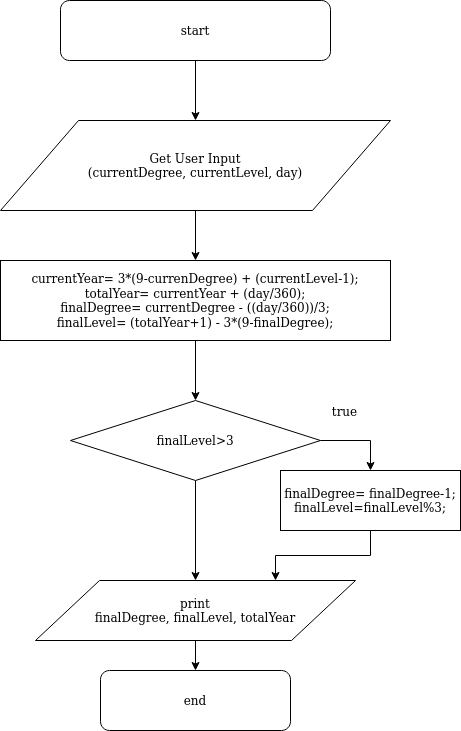
printf("final level:%d\n", finalLevel);

printf("total working years:%d\n",totalYear);

return 0;

}

*flowchart*



START

GET currentDegree, currentYear, day

CALCULATE currentYear= 3\*(9-currenDegree) + (currentLevel-1)

totalYear= currentYear + (day/360)

finalDegree= currentDegree – ((day/360))/3

finalLevel= (totalYear+1) – 3\*(9-finalDegree)

IF finalLevel>3

CALCULATE finalDegree=finalDegree – 1

finalLevel=finalLevel%3

DISPLAY totalYear, finalDegree, finalLevel

ELSE

DISPLAY totalYear, finalDegree, finalLevel

END