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#include <stdio.h>
#include "libs.h"

//-----
//                                     Exercise 5
//                                     -----
//
// General : The program calculate the final salary by parameters.
//
// Input   : 8 numbers
//
// Process : The program calculate the final salary by parameters.
//
// Output  : The final salary
//
//-----
// Programmer : Cohen Idan
// Student No : None
// Date       : 12.09.2019
//-----
void main(void)
{
    float salary,
          vetek,
          hours,
          kids,
          temp_kids,
          temp_hours,
          ty,
          tb,
          t160,
          t175,
          final_salary;

    printf("Enter salary: ");
    scanf("%f", &salary);
    printf("Enter vetek: ");
    scanf("%f", &vetek);
    printf("Enter hours: ");
    scanf("%f", &hours);
    printf("Enter kids: ");
    scanf("%f", &kids);
    printf("Enter ty: ");
    scanf("%f", &ty);
    printf("Enter tb: ");
    scanf("%f", &tb);
    printf("Enter t160: ");
    scanf("%f", &t160);
    printf("Enter t175: ");
    scanf("%f", &t175);

    temp_kids = kids;
    temp_hours = hours;
    final_salary = salary;

    if (vetek > TEN)
    {
        final_salary += (int)((double)final_salary * ONE_HUNDRED_AND_TEN_PERCENT);
    }

    temp_kids -= THREE;
    if (temp_kids > ZERO)
    {
        if (temp_kids > THREE)
        {
            final_salary += ((temp_kids - THREE) * tb) +
                           (temp_kids - (temp_kids - THREE)) * ty;
        }
        else
        {
            final_salary += (temp_kids * ty)
        }
    }
}
```

```
temp_hours -= ONE_HUNDRED_SIXTY;
if (temp_hours > ZERO)
{
    if (temp_hours > FIFTEEN)
    {
        final_salary += ((temp_hours - FIFTEEN) * t175) +
                        (temp_hours - (temp_hours - FIFTEEN)) * t160;
    }
    else
    {
        final_salary += (temp_hours * t160);
    }
}

printf("The salary: %f\n", final_salary);
}
```