

```
int main (void)
{
    char num_string[12];
    long  num;
    long m = 1;

    setup_HW;

    if(!(watch_dog_reset))String_to_PC_Basic(message_1);
    else String_to_PC_Basic(message_2);

    num = Int_from_PC_Local(num_string);

    newline_Basic();
    Int_to_PC_Basic(num);
    String_to_PC_Basic("\t");

    do{
        if(!(num%m)){Int_to_PC_Basic(m);}
        m += 1; if(!(m%10000))String_to_PC_Basic(".");}while(m < num);

    SW_reset;
    return 1; }
```