```c
//aufgabe1.c
//Übung 11 Aufgabe 1 GIP
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#include<stdio.h>

int fibonacci(int n){
    if(n<=2){
        return(1);
    }else{
        return(fibonacci(n-1)+fibonacci(n-2));
    }
}

int digitNum(int in,int digit){
    if(in<10){
        if(in==digit){
            return(1);
        }else{
            return(0);
        }
    }else{
        if((in%10)==digit){
            return(digitNum(in/10,digit)+1);
        }else{
            return(digitNum(in/10,digit));
        }
    }
}

int square(int n){
    if(n)
        return(square(n-1)+2*n-1);
    return(0);
}

int descending(int n){
    if(n<10)
        return(1);
    return(((n%10)<=((n%100)/10))*descending(n/10));
}

int main(){
    int n,m;
    printf("Fibonacci berechnen:\n");
    scanf("%d",&n);
    printf("%d\n",fibonacci(n));
    printf("\n");

    printf("Ziffernzahl von:\n");
    scanf("%d %d",&n,&m);
    printf("%d\n",digitNum(n,m));
    printf("\n");

    printf("Quadrat von:\n");
    scanf("%d",&n);
    printf("%d\n",square(n));
    printf("\n");

    printf("Ist absteigend:\n");
    scanf("%d",&n);
    printf("%d\n",descending(n));
    printf("\n");

    return(0);
}
```