

# Oppgave 1 øving 2

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#include "std_lib_facilities.h"

//Oppgave 1b
void inputAndPrintInteger() {
    int tall;
    cout << "Skriv heltall: ";
    cin >> tall;
    cout << "Du skrev: " << tall << endl;
}

//Oppgave 1c
int inputInteger() {
    int tall;
    cout << "Skriv et tall: ";
    cin >> tall;
    return tall;
}

//Oppgave 1d
void inputIntegersAndPrintSum() {
    int summ = 0;
    cout << "Summerer to tall" << endl;
    for(int i = 0; i < 2; i++) {
        summ += inputInteger();
    }
    cout << "Summen av tallene er: " << summ << endl;;
}

//Oppgave 1e
//Brukte inputInteger for det returnerte en verdi som gjør det lettere å direkte legge til
//"summ" i inputIntegersAndPrintSum i stedet for inputAndPrintInteger som printer ut en verdi.

//Oppgave 1f
void isOdd(int tall) {
    if(tall % 2 == 0) {
        cout << "True" << endl;
    }
    else if(tall % 2 != 0) {
        cout << "False" << endl;
    }
}

//Oppgave 1g
void printHumanReadableTime(int sek) {
    int timer = sek / 3600;
    int min = (sek / 60) % 60;
    int sekund = sek % 60;
    cout << timer << " timer, " << min << " minutter og " << sekund << " sekunder" << endl;;
}

int main() {

//Oppgave 1a
    bool logikk = true;
    while(logikk == true) {
        char valg;
        cout << " " << endl;
        cout << "Velg et tall mellom 0 og 7 (0 = avslutte, 1 = summe to tall, 2 = summe flere tall, 3 = NOK til EURO" << endl;
        cout << "0 = avslutte" << endl;
        cout << "1 = summe to tall" << endl;
        cout << "2 = summe flere tall" << endl;
        cout << "3 = NOK til EURO" << endl;
        cout << "4 = printe tall" << endl;
        cout << "5 = returnere tall" << endl;
        cout << "6 = sjekke oddetall" << endl;
        cout << "7 = lesbar tid" << endl;
```

```

    cin >> valg;

    switch (valg) {
        case '0':
            cout << "Avslutter..." << endl;
            logikk = false;
            break;

        case '1':
            inputIntegersAndPrintSum();
            break;

        case '2':
            cout << "Summer flere tall" << endl;
            break;

        case '3':
            cout << "NOK til EURO" << endl;
            break;

        //Oppgave 1b
        case '4':
            inputAndPrintInteger();
            break;

        //Oppgave 1c
        case '5':
            cout << inputInteger() << endl;
            break;

        //Oppgave 1f
        case '6':
            int tallinn;
            cout << "Velg tall: ";
            cin >> tallinn;
            isOdd(tallinn);
            break;

        //Oppgave 1g
        case '7':
            int sekinn;
            cout << "Velg antall sekund: ";
            cin >> sekinn;
            printHumanReadableTime(sekinn);
            break;
    }

    return 0;
}

```