# How to calculate Birthday

//New feature LocalDate in jdk 1.8

**import** java.time.LocalDate;

**import** java.time.Period;

//year, month and date are instance variable

**public** **int** calculateAge() {

**if** (year == 0 || month == 0 || date == 0) {

**return** 0;

}

**else** {

// calculate birthday

LocalDate today = LocalDate.*now*();

LocalDate birthday = LocalDate.*of*(year, month, date);

Period p = Period.*between*(birthday, today);

**return** p.getYears();

}

}

# How to input Date

Date myDate = **new** Date(1979, 12, 31);

System.***out***.println(myDate.getYear());

System.***out***.println(myDate.getMonth());

System.***out***.println(myDate.getDate());

# How to convert int to double

**double** heightInMeters = (**double**) height/100;

**return** weight/(heightInMeters\*heightInMeters);

# How to round

Int I = (int) Math.round(double i);

# Use other package

//Current package name

**package** Exercise\_3\_17;

//Other package name+Class name

**import** Exercise\_3\_16.HeartRates;

# How to get individual number

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Input thousand value:");

**int** nbr = s.nextInt();

**int** [] x={0,0,0,0};

**int** n=3;

**while** (nbr>0){

x[n]=nbr%10;

nbr/=10;

System.***out***.println(x[n]);

n--;}

# Reset value when use Nested while or for

**int** a = 1, b = 1, c = 1;

**while** (a <= 500) {

**while** (b <= 500) {

**while** (c <= 500) {

**if** (a \* a == b \* b + c \* c) {

System.***out***.print("This is Pythagoran Triples a = " + a

+ " b = " + b + " c = " + c + "\n");

}

c++;

}

c = 1;

b++;

}

b = 1;

a++;

}