import *java.util.Scanner*;

*public* *class* App {

*static* Scanner scanner = new Scanner(System.in);

*public* *static* void main(String[] args) *throws* Exception {

double weight=0;

double height=0;

System.out.print("Enter name and age: ");

String nameAndAge[] = scanner.nextLine().split(" ");

System.out.print("Weight (input format: 1=kg 2=pound value): ");

String typeAndWeight[] = scanner.nextLine().split(" ");

System.out.print("Height (input format: 1=meter 2=feet-inch):");

String typeAndHeight[] = scanner.nextLine().split(" ");

if(Integer.parseInt(typeAndWeight[0])==1){

weight += Integer.parseInt(typeAndWeight[1])\*2.20462262185;

}

else if(Integer.parseInt(typeAndWeight[0])==2){

weight += Integer.parseInt(typeAndWeight[1]);

}

if(Integer.parseInt(typeAndHeight[0])==1){

height += Integer.parseInt(typeAndHeight[1])\*39.3700787402;

}

else if(Integer.parseInt(typeAndHeight[0])==2){

height += Integer.parseInt(typeAndHeight[2])+(Integer.parseInt(typeAndHeight[1])\*12);

}

BMI bmi = new BMI(nameAndAge[0], Integer.parseInt(nameAndAge[1]), weight, height);

bmi.displayBMI();

}

}

*class* BMI {

*private* String name;

*private* int age;

*private* double weight;

*private* double inches;

*private* double bmi;

*private* String interpretation;

*public* BMI(String name, int age, double weight, double inches){

this.name = name;

this.age = age;

this.weight = weight;

this.inches = inches;

}

*//setter*

*public* void setName(String name){

this.name = name;

}

*public* void setAge(int age){

this.age = age;

}

*//getter*

*public* String getName(){

return this.name;

}

*public* int getAge(){

return this.age;

}

*//display*

*public* void displayBMI(){

bmi = (weight/((inches)\*(inches)))\*703;

interpretation = "";

if(bmi<18.5) interpretation+="Underweight";

else if(bmi>=18.5 && bmi<25.0) interpretation+="Normal";

else if(bmi>=25.0 && bmi<30.0) interpretation+="Overweight";

else if(bmi>=30.0) interpretation+="Obese";

System.out.printf("Your BMI: %.2f\n",bmi);

System.out.println("interpretation: "+interpretation);

}

}