BMI

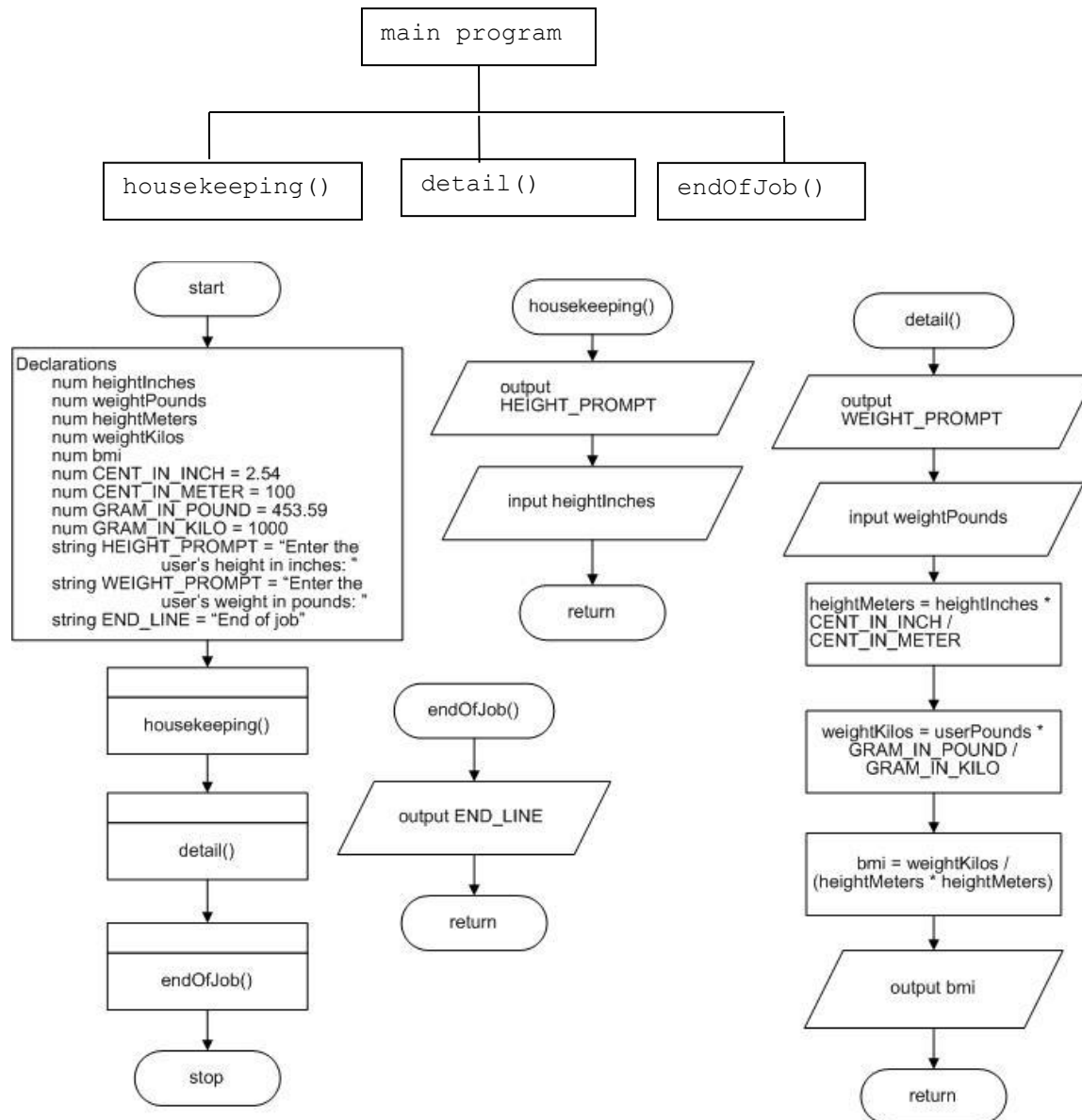**Pseudocode:**

```
start
    Declarations
        num heightInches
        num weightPounds
        num heightMeters
```

```
          num weightKilos
          num bmi
          num CENT_IN_INCH = 2.54
          num CENT_IN_METER = 100
          num GRAM_IN_POUND = 453.59
          num GRAM_IN_KILO = 1000
          string HEIGHT_PROMPT = "Enter the user's height in
                                 inches: "
          string WEIGHT_PROMPT = "Enter the user's weight in
                                 pounds: "
          string END_LINE = "End of job"
     housekeeping()
     detail()
     endOfJob()
stop

housekeeping()
     output HEIGHT_PROMPT
     input heightInches
return

detail()
     output WEIGHT_PROMPT
     input weightPounds
     heightMeters = heightInches * CENT_IN_INCH / CENT_IN_METER
     weightKilos = userPounds * GRAM_IN_POUND / GRAM_IN_KILO
     bmi = weightKilos / (heightMeters * heightMeters)
     output bmi
return

endOfJob()
     output END_LINE
return
```