

Giancarlo Orozco | ECE330 | Homework 3

Github repository: <https://github.com/gianorozco/ECE330HW3>

These are the following outputs for a Heart Rate Calculator. This includes a version where the operation ">>" is overloaded.

For the version with variables as a means of sending arguments to class constructor:

```
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$ ls
HRCalc_fnc.cpp HRCalc_lib.h HRCalc_m.cpp OpOverLoadVersion makefile
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$ make
g++ -c HRCalc_m.cpp
g++ -c HRCalc_fnc.cpp
g++ -o result HRCalc_m.o HRCalc_fnc.o
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$ ./result
enter your name (first last) & date of birth (dd mm yyyy) seperated by spaces
Giancarlo Orozco 29 06 2001
Your name is : Giancarlo Orozco
Your date of birth is : 6/29/2001
enter the current date (dd mm yyyy)
08 03 2022
20 is your age
Your maximum Heart Rate is : 200
Your Target Heart Rate is between 100 and 170
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$
```

This following output is testing the exception code

```
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$ ./result
enter your name (first last) & date of birth (dd mm yyyy) seperated by spaces
Giancarlo Orozco 20 15 1990
terminate called after throwing an instance of 'std::invalid_argument'
  what(): Invalid birth month entered
Aborted (core dumped)
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3$
```

For the overloaded operator version (Both good and bad input tests):

```
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3/OpOverLoadVersion$ make
g++ -c HRC_Ov_m.cpp
g++ -c HRC_Ov_fnc.cpp
g++ -o result HRC_Ov_m.o HRC_Ov_fnc.o
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3/OpOverLoadVersion$ ./result
enter your name (first last) & date of birth (dd mm yyyy) seperated by spaces
Giancarlo Orozco 29 06 2001
Your name is : Giancarlo Orozco
Your date of birth is : 6/29/2001
enter the current date (dd mm yyyy)
08 03 2022
20 is your age
Your maximum Heart Rate is : 200
Your Target Heart Rate is between 100 and 170
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3/OpOverLoadVersion$ ./result
enter your name (first last) & date of birth (dd mm yyyy) seperated by spaces
Giancarlo Orozco 20 30 1988
Your name is : Giancarlo Orozco
terminate called after throwing an instance of 'std::invalid_argument'
  what(): Invalid birth month entered
Aborted (core dumped)
gorozco@LAPTOP-0MOGC64A:/mnt/c/Users/goroz/Desktop/ECE330HW3/OpOverLoadVersion$
```