BMIcategory(b) # We need to Run this func only. Func to calculate BMI is called inside of this one.

BMI=function (w,h) #Function BMI Calculates BMI

{

cat("........BMI CALCULATOR.......")

repeat

{

input =readline(prompt = "INPUT SELECTION\n

Enter 1 for Kilograms & Metres \n

Enter 2 for Pounds & Inches")

input=as.integer(input)

w=readline(prompt = "Enter your Weight: ")

w=as.numeric(w)

h=readline(prompt = "Enter your Height: ")

h=as.numeric(h)

if (input==1)

{b<<-(w/(h^2))

return(b)}

else if (input==2)

{b<<-(w/(h^2))\*703

return(b)}

else

print("Enter a valid number")

}

}

BMIcategory=function(b) #Function to categorize the BMI

{

BMI(w,h)

while(b>0){

if(b<15)

{return(c("Your BMI is",b," very severely underweight !"))}

else if(b<16)

{return(c("Your BMI is",b,"Severely underweight !"))}

else if(b<18.5)

{return(c("Your BMI is",b,"Underweight !"))}

else if(b<25)

{return(c("Your BMI is",b,"Normal (Healthy weight) !")) }

else if(b<30)

{return(c("Your BMI is",b,"Overweight !"))}

else if(b<35)

{return(c("Your BMI is",b,"Obese Class 1 (Moderately obese) !")) }

else if(b<40)

{return(c("Your BMI is",b,"Obese Class 2 (Severely obese) !")) }

else if(b>40)

{return(c("Your BMI is",b,"Obese Class 3 (Very severely obese) !"))}

}

}