CLOSEST\_PERFECT\_SQUARE (n)

//this function takes n as a positive integer

//and return the highest perfect square less than it

//take the square root of the number

perfectSquare<-n^(1/2)

//if the square root is an integer it means that the number is a perfect square

if perfectSquare is an integer

return n

//otherwise round it down and find out the closest square root by multiplying //the rounded value with itself.

else

rounddown(perfectSquare)

return perfectSquare\*perfectSquare