**Q)1**

#include <stdbool.h>

#include <stdio.h>

bool calculateBox (double length, double width, double height, double

\*surfaceArea, double \*volume){

if (length > 0 & width > 0 & height > 0){

\*surfaceArea = (2\*length\*width)+(2\*length\*height)+(2\*width\*height);

\*volume = length\*width\*height;

return true;

}

else return false;

}

int main()

{

double length,width,height,surfaceArea,volume;

bool box;

printf("Enter length: ");

scanf("%lf",&length);

printf("Enter width: ");

scanf("%lf",&width);

printf("Enter height: ");

scanf("%lf",&height);

box = calculateBox (length, width, height, &surfaceArea, &volume);

if(box == true){

printf("Surface Area of box %fl \n", surfaceArea);

printf("Volume of box: %fl \n", volume);

}

else{

printf("incorrect input");

}

return 0;

}Text

Description automatically generated

**Q2)**