1. Find the volume and surface area of a (a) cuboid and (b) cylinder. Read necessary inputs from user e.g. height and radius of the cylinder.
2. Write a C program to find minimum number of notes of each denomination to make a given amount.

Sample Input/Output (bold ones are user inputs):

Enter amount: **1176**

Total number of notes:

500: 2

100: 1

50: 1

20: 1

10: 0

5: 1

2: 0

1: 1

1. Write a C program that reads a decimal number from user and then prints “integer” if it is an integer. Otherwise, it should print the integer got by rounding off the input number to the next integer.

Sample input/output – 1 (bold ones are inputs):

Enter a number: **6.49**

It’s a float whose integer approximation = 6

Sample input/output – 2 (bold ones are inputs):

Enter a number: **6.50**

It’s a float whose integer approximation = 7

Sample input/output – 3 (bold ones are inputs):

Enter a number: -**6.49**

It’s a float whose integer approximation = -6

Sample input/output – 4 (bold ones are inputs):

Enter a number: -**6.51**

It’s a float whose integer approximation = -7

1. Write a C program that reads the radius ***r*** of a circle and the side ***a*** of an equilateral triangle from user and then checks if that triangle can be placed inside that circle or not. Hint: Use Pythagorean theorem.
2. Write a C program to check if an input integer is a multiple of either 2 or 5 but not a multiple of both. E.g. of valid numbers are 4, 6, 8, 12, 14, 15, 16, 25, etc. E.g. of invalid numbers are 1, 3, 7, 9, 10, 20, etc