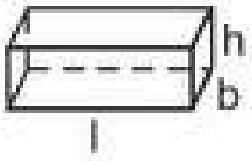
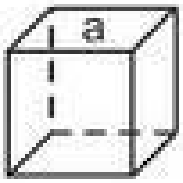
Task 1:

Name	Figure	Curved Surface area	Total surface area	Volume
Cuboid		$2h(l+b)$	$2(lb+bh+lh)$	lbh
Cube		$4a^2$	$6a^2$	a^3
Right circular cylinder		$2\pi rh$	$2\pi r(r+h)$	$\pi r^2 h$
Right circular cone		πrl	$\pi r(l+r)$	$\frac{1}{3}\pi r^2 h$
Sphere		$4\pi r^2$	$4\pi r^2$	$\left(\frac{4}{3}\right)\pi r^3$
Hemi-sphere		$2\pi r^2$	$3\pi r^2$	$\left(\frac{2}{3}\right)\pi r^3$

2. Get a number as input and find that number is Positive or Negative?

Expected Output :
n=2
Number 2 is a positive number
n=-2
Number -2 is a negative number

3. Get a number as input and find that number is Even or Odd?

Expected Output :
n=2
Number 2 is a even number
n=3
Number 3 is a odd number

4. Get a number as input and find which is greater?

Expected Output :
a=2 , b=3, c=1
b is greater

5. Get a number as input and find whether they can or not vote?

Expected Output :
Greater than 18 print the output in display as (Ready to vote)
Equal to 17 print the output in console (come after one year)

Equal to 16 print the output in display as (come after two year)
Less than 15 print the output in console (not eligible)

6. Get a year as input and find whether a given year is a leap year or not.

Test Data : 2016
Expected Output :
2016 is a leap year.

7.

Amount	Discount	Pant	Shirt	T-Shirt
1000	-		2%	3%
1500	4%		5%	6%
2000	7%		8%	9%
2500	10%		11%	12%

8. Write a program to compute the sum of the first 10 natural numbers.

Expected Output :
The first 10 natural number is :
1 2 3 4 5 6 7 8 9 10
The Sum is : 55

9. Write a program to display the cube of the number up to an integer.

Test Data :
Input number of terms : 5
Expected Output :

Number is : 1 and cube of the 1 is :1
Number is : 2 and cube of the 2 is :8
Number is : 3 and cube of the 3 is :27
Number is : 4 and cube of the 4 is :64
Number is : 5 and cube of the 5 is :125

10. Write a program to display the multiplication table for a given integer and given value.

Test Data :
Input the number : 15
Input the number : 10
Expected Output :
15 X 1 = 15
...
...
15 X 10 = 150

11. Write a program to display a pattern like a right angle triangle with a number.

The pattern like :
1
12
123
1234

12**.** Write a program in C to make such a pattern like a right angle triangle with a number which will repeat a number in a row.

The pattern like :

1
22
333
4444

13. Write a program in C to make such a pattern like a right angle triangle with the number increased by 1.

The pattern like :
1
2 3
4 5 6
7 8 9 10

14. Write a program to calculate the factorial of a given number.

Test Data :
Input the number : 5
Expected Output :
The Factorial of 5 is: 120

15. Write a program to display the sum of n terms of even natural numbers.

Test Data :
Input number of terms : 5
Expected Output :
The even numbers are :2 4 6 8 10
The Sum of even Natural Number up to 5 terms : 30

16. Write a javascript program to create a simple ATM concept to do Withdraw & Deposit also it should do the process again & again until i stop the process *using a while loop*.

17. Write a program to display the multiplication table for a given integer and given value in the input text box and also use a condition to collect only numbers in the text box.

Test Data :
Input the number : 8
Input the number : 10
Expected Output :
8 X 1 = 8
...
...
8 X 10 = 80