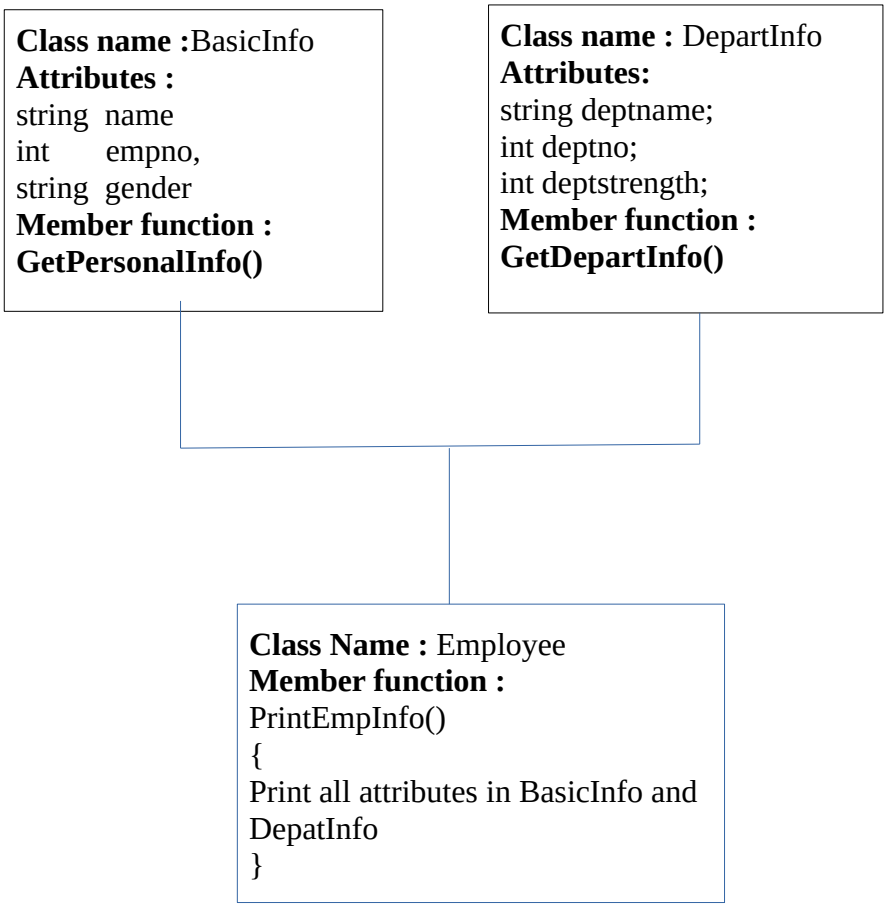
1. Write a C++ program to implement **multiple inheritance** to print the following information




Create an object emp for Employee class and call the function PrintEmpInfo() in Main class

Input :

Enter employee's basic info:
Enter Name: Ram
Enter Employee Id: 10
Enter Gender: Male

Enter employee's department info:
Enter Department Name: CSE
Enter Department No: 12
Enter department strength 69

output :

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Employee's Information is:

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Basic Information...:

Name: Ram
Employee ID: 10
Gender: Male

Department Information...:
Department Name: CSE
Department No: 12
Department strength: 69

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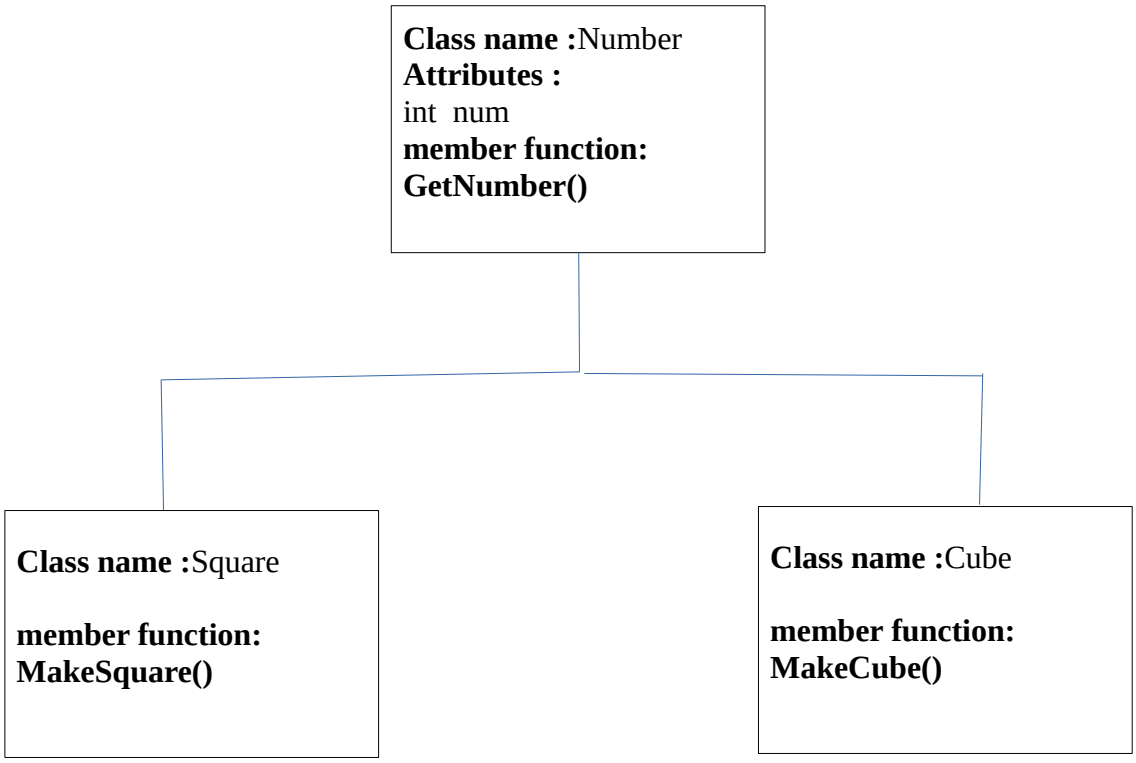
2. C++ program to demonstrate example of **hierarchical inheritance** to get square and cube of a number




Create objects for Square and Cube and call the functions MakeSquare() and MakeCube in main
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input and output

Enter an integer number: 3
The square of the number is 9
Enter an integer number: 5
The cube of the number is 125

3. Write a C++ program to calculate the percentage of a student using multi-level inheritance. Accept the marks of three subjects **sub1,sub2,sub3 (**through function **accept_marks()**) in base class called **Addclass.** The class Addclass will be derived by the subclass called **Total** (in which print the sum of all the 3 subjects using function **total()**). The class **Total** will be inherited by the class called **Percentage (**in which **show_result()** function is defined to perform calculation of percentage and print the percentage)**.** Create the object for the Percentage and Call total() and show_result().

Input and output

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Enter Marks for Three Subjects
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subject 1 : 90

subject 2 :80

subject 3 : 90

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Total Mark : 260

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Percentage Mark : 86.6667