PROGRAM – II MCA B   Time Duration – 1.30 hrs Marks – 30 Marks

Design a class **Person** with the following members
Data Members
name, age, height
Member Functions
get() - > To read values to the data members
show()-> To display the values of the data members.
Design another class **Student** inherit from **Person** class with the following members
Data Members
studentId, institutionName, phoneNumber.
Member functions
get() –> To read values to the data members
show() -> To display values of the data members
Inherit **GraduateStudent** class from **Student** class with the following members
Data members
programName, noOfSubjects, classTeacherName, Marks, attendance.
Member function
get() -> to read values to the data members
show() -> To display values of the data members
The program should have the following features (CO1, CO2 & CO3)
1. Array of objects to create multiple instances of the **Student and GraduateStudent** classes (Minimum five objects)
2. Implement the concept of the **abstract** method in any one of the classes (Parent class or sub-classes).
3. Usage of **static** keyword to display Student Id
4. Display the list of male students who have above 60% of marks in the program MCA. And also display the list of female students who have above 75% of attendance in the program MCA.
5. Apply the parameter passing technique to the parent constructor and use **final** keywords wherever possible.

Note: You can add additional functions in the classes wherever required.