

Core Java Language Lab Assignment

1. Define a class named Course having data members ID, Description, Duration and Fees. The class should have one parametrized constructors and GetData() function member to display the data.
 - Create an array of 5 course objects and then display the data for all of them.
2. Modify program 1 to add a default constructor and a SetData() member function.
 - Create an array of 3 student using the default constructor and another array of 2 students using the parametrized constructor, and then display the data of all 5 course objects.
3. Write a program to define constructors and finalize of a class and construct 3 objects and then show that it is not a guarantee that finalizer will be invoked for each object.
4. Write a program to demonstrate the use of final keyword with
 - a) class
 - b) method
 - c) data member(primitive value and reference variable and show that you can not refer this reference variable to other objects but can change the data field of a final reference variable)
5. write a program to demonstrate the use of following operators.
 - a)right shift with sign bit operator >>
 - b)left shift operator <<
 - c)right shift with zero fill operator >>>
6. write a program to demonstrate
 - a) Labeled break
 - b) Labeled continue
7. Demonstrate the use of 'this' keyword
 - a) To refer to current object.
 - b) Inside a constructor to call another constructor.And also show that this can not be used in static context area.
8. Demonstrate the use of 'super' keyword.
 - a) To refer to a member of super class.
 - b) To call super class constructor from sub class constructor.
9. Write a program to make a request to invoke garbage collector
10. Write a program to demonstrate the use of nested class and its objects when nested class is a
 - a) private member of the outer class
 - b) public member of the outer class.

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