**Q1: Write program for Vector class of your own?**

**Q2: A frog starts climbing 30ft well. each hour frog climbs 3ft & slips back 2 ft how many hours does it take him to reach top & get out? Write a program for it?**

**Q3:WAP in Java . A class Teacher contains two fields Name and qualification. Extends class to Department it contains Dept No. and Dept Name. An Interface named as College it contains one field Name of the College .using above classes and Interface get the appropriate information and display it?**

**Q4:Write a java program to create an abstract class named Shape that contains two integers and an empty method named printArea(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contain only the method printArea( ) that prints the area of the given shape.**

**Q5Write a java program to find the details of the students eligible to enroll for the examination ( Students, Department combinedly give the eligibility criteria for the enrollement class) using interfaces**

Write a java program to create an abstract class named Shape that contains two integers and an empty method named printArea(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contain only the method printArea( ) that prints the area of the given shape.