**Exercise 1:***Write an application to simulate the vehicles crossing a bridge and a toll plaza on a highway.For the purpose of this exercise, simulate the environment for five vehicles that are*

*approaching the bridge and the toll booth. The vehicles are numbered from one to five. The*

*vehicles should approach the bridge and the toll booth in sequential order. The toll booth can*

*only deal with one vehicle at a time. This application should print a message every time when*

*a vehicle crosses the bridge and another message when a vehicle crosses the toll booth along*

*with the vehicle number.*

**Exercise 2:***Consider the following scenario. Whenever a hen lays an egg its owner sells the egg to a shop.*

*In the last 4 months the owner has gained Rs. 100 by selling eggs in the rate of Rs.2 per egg.*

*Display the following messages*

*Hen Laid the Egg – 1*

*Owner gained Rs 2*

*Hen Laid the Egg – 2*

*Owner gained Rs 4*

*…*

*…*

*…*

*…. So on.*