## **Question 1:**

Write a Java program code for a linked list called List1 to do the following:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RED |  | GREEN |  | BLUE |  | YELLOW |  | PINK | X |

1. Iterate through all elements in with the following elements: (print each element in separate line)

**Answer:**

Node temp=head;

While (temp.next!=null)

{

 System.out.println(temp.data);

temp=temp.next;

 }

1. Display the elements (BLUE) and their positions in a linked list

**Answer:**

Node temp=head;

int i=1;

While (temp.next!=null)

{

if (temp.data==”BLUE”)

{

 System.out.println(temp.data + “is found in position number “ + i );

 Break;

}

temp=temp.next;

 ++i;

}