

## Quiz-2

Q1 ) What is the output of the following program? Explain how you arrived at the output.

[7.5 marks]

```
public class quiz {

    public static void main(String[] args)
    {
        System.out.println("c");
        System.out.println(Scaler.i);
        System.out.println(new Scaler().j);
        System.out.println(Scaler.i);
        System.out.println(new Scaler().j);
        System.out.println(Scaler.i);
        System.out.println(Scaler.update_i(new Scaler()).i);
    }
    static
    {
        System.out.println("b");
    }
}

class Scaler
{ int j;
  {
      j=7+i;
      i=j+i;
  }
  static int i;

  static Scaler update_i(Scaler a)
  {
      i=i+a.j;
      return new Scaler();
  }

  static
  {
      System.out.println("a");

      i = 100;
  }
}
```

Q2 ) What is the output of the following program? Explain how you arrived at the output.

[2.5 marks]

```
public class quiz2{
    static String i;
    static int ctr=0;
    static String[] j;

    public static void main(String[] arr){
        if(ctr==1)
        {
            arr = j;
            arr[0]=j[0]+" again";
            arr[1]=j[1]+" again";
        }

        System.out.println(arr[0]);
        System.out.println(arr[1]);

    }
    public static void main(String arr){
        System.out.println(arr);
    }
    static{
        i="hey";
        main(i);
        j= new String[2];
        j[0]= "hi";
        j[1]="bye";
        main(j);
        ctr=1;
    }
}
```