

Answer 1)

```
import stanford.karel.*;
public class Karel extends SuperKarel{
public void run() {
    moveOneUpRow();
    moveForward();

}
private void moveOneUpRow() {
    turnLeft();
    move();
    turnRight();
}
private void moveForward() {
    move();

    while (frontIsClear() {
        if (noBeepersPresent()) {
            putBeeper();
        }
        move();
    }

}
}
```

2a) Answer : 1.25

Answer : Error because 3%0 is undefined in an Arithmetic operator.

Answer : I was not sure for this answer, it looks like a string -> "B84"

2b) Answer: The 1st number is: 78

The 2nd number is: 73

Problem 3

```
import acm.program.ConsoleProgram;

public class SecondLargest extends ConsoleProgram{
    private ArrayList<Int> intList=new ArrayList<Int>();

    public void run() {
        initializeIntList();
        storeIntList();
    }
    Private storeIntList(){
        int index=0;
        while(true) {
            system.out.println("This program finds the two largest integers in a list. Enter values, one
per line,
Using a 0 to signal the end of the list.");
            int intInput=readLine("?"+");
            if (intInput>0) {
                intList.add(intInput);
                index++;
            }else {
                If (intInput=0 &&index<1) {
                    system.out.println("You have to input 2 more values of Integer");
                }
            }
        }
    }
}
```

```

        system.out.println("Enter your integer >0");
    }
    }
    int maxInt=getLargest();
    int secondInt=getSecondLargesttt(maxInt);
    showIntList(maxInt,secondInt);

}
Private showIntList(maxInt, secondInt){
    Int maxInt, secondInt;
        system.out.println("The largest value is "+maxInt);
        system.out.println("The second largest is "+secondInt);
    }
    Private getLargest(){
        Int max=1;
        for (int I=0;i<intList.size();I++){
            if (int I=0){
                intList[max]=intList[0];
            } else {
                if (intList[I]>intList[I-1]){
                    intList[max]=intList[I];
                } else {
                    intList[max]=intList[I-1];
                }
            }
        }
        Return intList[max];

    }
    Private getSecondIntList(maxInt)
    Int maxInt;
    {
        for (int I=0;i<intList.size();I++){
            If (maxInt!=intList[I]) {
                if (int I=0){
                    intList[max]=intList[0];
                } else {
                    if (intList[I]>intList[I-1]){
                        intList[max]=intList[I];
                    } else {
                        intList[max]=intList[I-1];
                    }
                }
            }
        }
        Return intList[max];

    }
    Private void initializeIntList(){
        for (int I=0;i<intList.size();I++){
            intList[]=0;
        }
    }
}

```

Problem 4

Answer I have no idea how to deal with this program.

Problem 5 Assume, I am going to get a data string from BufferedReader() by readLine();

```
Private String removeDoubleLetters(lineString){
String str="";

    for (int I=0;i<lineString.length();I++){

        if (Character.isLetter(ch)) {
            char charSecond=lineString.charAt(I-1);
            char charFirst=lineString.charAt(I);

            if ((I>0) && (charSecond==charFirst)) {
} else {
            str=str+charFirst;
            Return str

        }
    }
}
```