```
public static void main(String[] args){
      while(counter) {
          Scanner input=new Scanner(System.in);
          System.out.println("q=QUIT, string= enter a string\nq or string:");
          String input1=input.nextLine();
          if(input1.equals("q")){
               System.out.println("enter the string:");
               String data=input.nextLine();
return no. of vowels in a string or\n'Abecdarian' to check the string\nwhat do you
want to do with the string:");
              String whatToDo =input.nextLine();
               if(whatToDo.equals("reverse")){
                   String result=obj.reverseString(data);
               else if(whatToDo.equals("count")){
                   int count=obj.countVowels(data);
                   String result=obj.isAbecdarian(data);
                   System.out.println("The string is"+result);
```

```
public String reverseString(String data){
       String resultString="";
           resultString=resultString+data.charAt(i);
       for (int i=0; i \le (data.length())-1; i++) {
data.charAt(i)=='o'| data.charAt(i)=='u'){
       for (int i=0; i<(data.length())-1; i++) {
```

```
}
```

OUTPUT:

```
PROBLEMS 2
                              OUTPUT DEBUG CONSOLE
                                                                   TERMINAL
         f15kd4gvc61wznw0000gn/T/vscodesws_5661a/jdt_ws/jdt.ls-java-project/bin Assignment
         q=QUIT, string= enter a string q or string:
         string
enter the string:
         hello world
         Enter 'reverse' to reverse a string or
         'count' to return no. of vowels in a string or 'Abecdarian' to check the string
         what do you want to do with the string:
         reverse
         Reverse of the String:dlrow olleh
         q=QUIT, string= enter a string
q or string:
         string
enter the string:
        hello world
Enter 'reverse' to reverse a string or
'count' to return no. of vowels in a string or
'Abecdarian' to check the string
what do you want to do with the string:
         count
         Vowels in the string are:eoo
         number of vowels in the String:3
         q=QUIT, string= enter a string q or string:
         string
         enter the string:
hello world
         Enter 'reverse' to reverse a string or
        'count' to return no. of vowels in a string or 'Abecdarian' to check the string what do you want to do with the string:
         Abecdarian
         The string is Not Abecdarian
         q=QUIT, string= enter a string
         q or string:
         GoodBye!!!
         sriram@Srirams-MacBook-Pro ~ % ■
⊗ 0 <u>A</u> 2 🔂
```