Question 1:

Write a program that asks the user to enter a word. The program will then repeat word for as many times as it has characters:

```
Enter a word: Hello
Hello
Hello
Hello
Hello
Hello
```

To do this you will need to use the `length()` method that counts the number of characters in a string:

```java
String inputString;
int times;

... 

times = inputString.length()
```

Solution:

```java
import java.util.Scanner;

public class Q1 {
    public static void main (String args [])
    {
        Scanner reader = new Scanner(System.in);
        System.out.print("Enter a word: ");
        String s = reader.next();
        int times = s.length();
        for(int i=1;i<=times;i++)
            System.out.println(s);
    }
}
```
Question 2:

Write a java program that displays the following menu driven:
Please Select one of the following
  1-Power Program ( x^n )
  2-Sum Program ( S = 1+ 2+ 3+ 4+ ... + n )
  3-Exit

Solution:

```java
import java.util.Scanner;

public class menu {
    public static void main(String[] args) {
        Scanner reader = new Scanner(System.in);
        int choice;
        System.out.println("=============welcome=============");
        do {
            System.out.println();
            System.out.println("Please Select one of the following");
            System.out.println("  1-Power Program ( x^n )");
            System.out.println("  2-Sum Program ( S = 1+ 2+ 3+ 4+ ... + n )");
            System.out.println("  3-Exit");
            System.out.println();
            System.out.print("your choice: ");
            choice = reader.nextInt();
            switch (choice) {
                case 1:
                    System.out.print("Enter an Integer?> ");
                    int x = reader.nextInt();
                    System.out.print("Enter the Wanted Power?> ");
                    int n = reader.nextInt();
                    double pow=Math.pow(x, n);
                    System.out.println(x+" power "+n+" is = "+pow);
                    break;
                case 2:
                    System.out.print("Enter n:");
                    int n2 = reader.nextInt();
                    int sum=0;
                    for(int i=1;i<=n2;i++){
                        sum = sum + i;
                    }
                    System.out.println("Sum = "+sum);
                    break;
                case 3:
                    System.out.println("Bye !!");
                    break;
                default:
                    System.out.println("wrong choice !!");
                    break;
            }
        } while (choice != 3);
    }
}
```