**Task**

Write the java code to produce a menu which loops until the user enters a 1,2,3 or q to quit. If the user enters any of the digits it should output a relevant message (eg Do task 1)

**Source code**

import java.io.\*;

public class Functions {

//-----------------------------------------------------------

public static void main(String[] args) {

// Using functions - modular programming

System.out.print("\n\tFunctions 1.0");

MainMenu();

}

//-----------------------------------------------------------

public static void MainMenu() {

String choice = " ";

while(!choice.equals("q")) {

System.out.print(

"\n\t----------Main Menu----------" +

"\n\t1. Item 1" +

"\n\t2. Item 2" +

"\n\t3. Item 3" +

"/n\t4. Item 4" +

"\n\t(Q)uit\n\n\t"

);

choice=Input().toLowerCase();

switch(choice.charAt(0)) {

case '1': System.out.print("\n\tDo Task 1."); break;

case '2': System.out.print("\n\tDo Task 2."); break;

case '3': System.out.print("\n\tDo Task 3."); break;

case 'q': System.out.print("\n\tExiting Main Menu"); break;

default: System.out.print("\n\tInvalid Input!");

}

} //end while true loop

}

//-----------------------------------------------------------

public static String Input() {

LineNumberReader In = new LineNumberReader(

new InputStreamReader(System.in));

String Temp =" ";

try {Temp =In.readLine();}

catch(IOException X)

{System.out.print("\n\tIO Error!");}

return Temp;

}

}

**Program Output**

