```java
1    //write a program for number guessing game.
2    //TASK NO:02
3
4    import java.util.*;
5    import java.io.*;
6    import java.lang.*;
7    class NumberGuessingGame
8    {
9        public static void main(String args[])
10       {
11           int secretNumber;
12           secretNumber=(int)(Math.random()*99+1);
13           Scanner sc=new Scanner(System.in);
14           int guess=0,guess_count=0,Score=0;
15           int limit=5;
16
17               do
18               {
19
20                           System.out.println("************************************************
                            ***************");
20                           System.out.println("Enter the guess(1-100):");
21                           guess=sc.nextInt();
22
23                           if(guess==secretNumber)
24                           {
25                               System.out.println("Your guess is correct
                                Congratulation!!!!!");
26                               Score++;
27                               System.out.println("Score="+Score);
28                               break;
29
30                           }
31                           else
32                           {
33                                   if(guess<secretNumber)
34                                   {
35                                       System.out.println("Your guess is Smaller than the
                                        secret Number.");
36                                   }
37                                   else if(guess>secretNumber)
38                                   {
39                                       System.out.println("Your guess is Greater than the
                                        secret Number.");
40                                   }
41                           }
42
43                           if(guess_count>=limit)
44                           {
45                               System.out.println("Sorry you ran out of attempt.The
                                correct Number is:"+secretNumber +" Butter Luck For Next
                                Time!!!!");
46                               System.out.println("Score="+Score);
47
48
49                           }
50                           guess_count++;
51
52
53               }while(guess_count<=limit);
54
55               System.out.println("you take "+guess_count+" attempt");
56
                  System.out.println("#************************************************
                  *********************************************#");
57       }
58   }
59
60   /*OUTPUT:
```

```
C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java

C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
*************************************************************
Enter the guess(1-100):
50
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
75
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
85
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
90
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
95
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
98
Your guess is Greater than the secret Number.
Sorry you ran out of attempt.The correct Number is:97 Butter Luck For Next Time!!!!
Score=0
you take 6 attempt
#**************************************************************************************************
********************#

C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java

C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
*************************************************************
Enter the guess(1-100):
50
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
80
Your guess is Greater than the secret Number.
*************************************************************
Enter the guess(1-100):
70
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
75
Your guess is correct Congratulation!!!!!
Score=1
you take 3 attempt
#***********************************************************************************
********************#

C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java

C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
*************************************************************
Enter the guess(1-100):
50
Your guess is Smaller than the secret Number.
*************************************************************
Enter the guess(1-100):
75
Your guess is Greater than the secret Number.
*************************************************************
```

```
128    Enter the guess(1-100):
129    65
130    Your guess is Greater than the secret Number.
131    ************************************************************
132    Enter the guess(1-100):
133    60
134    Your guess is Greater than the secret Number.
135    ************************************************************
136    Enter the guess(1-100):
137    55
138    Your guess is Smaller than the secret Number.
139    ************************************************************
140    Enter the guess(1-100):
141    56
142    Your guess is Smaller than the secret Number.
143    Sorry you ran out of attempt.The correct Number is:58 Butter Luck For Next Time!!!!
144    Score=0
145    you take 6 attempt
146    #********************************************************************************************
       ********************#
147
148    C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java
149
150    C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
151    ************************************************************
152    Enter the guess(1-100):
153    50
154    Your guess is Smaller than the secret Number.
155    ************************************************************
156    Enter the guess(1-100):
157    75
158    Your guess is Greater than the secret Number.
159    ************************************************************
160    Enter the guess(1-100):
161    60
162    Your guess is Smaller than the secret Number.
163    ************************************************************
164    Enter the guess(1-100):
165    70
166    Your guess is Greater than the secret Number.
167    ************************************************************
168    Enter the guess(1-100):
169    65
170    Your guess is Smaller than the secret Number.
171    ************************************************************
172    Enter the guess(1-100):
173    66
174    Your guess is Smaller than the secret Number.
175    Sorry you ran out of attempt.The correct Number is:67 Butter Luck For Next Time!!!!
176    Score=0
177    you take 6 attempt
178    #********************************************************************************************
       ********************#
179    */
180
181
```