

```

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("*****
21            *****");
22            System.out.println("Enter the guess(1-100):");
23            guess=sc.nextInt();
24
25            if(guess==secretNumber)
26            {
27                System.out.println("Your guess is correct
28                Congratulation!!!!");
29                Score++;
30                System.out.println("Score="+Score);
31                break;
32            }
33            else
34            {
35                if(guess<secretNumber)
36                {
37                    System.out.println("Your guess is Smaller than the
38                    secret Number.");
39                }
40                else if(guess>secretNumber)
41                {
42                    System.out.println("Your guess is Greater than the
43                    secret Number.");
44                }
45            }
46
47            if(guess_count>=limit)
48            {
49                System.out.println("Sorry you ran out of attempt.The
50                correct Number is:"+secretNumber+" Butter Luck For Next
51                Time!!!!");
52                System.out.println("Score="+Score);
53            }
54            guess_count++;
55
56            }while(guess_count<=limit);
57
58            System.out.println("you take "+guess_count+" attempt");
59
60            System.out.println("#*****
61            *****#");
62        }
63    }
64
65    /*OUTPUT:

```

```

61 C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java
62
63 C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
64 *****
65 Enter the guess(1-100):
66 50
67 Your guess is Smaller than the secret Number.
68 *****
69 Enter the guess(1-100):
70 75
71 Your guess is Smaller than the secret Number.
72 *****
73 Enter the guess(1-100):
74 85
75 Your guess is Smaller than the secret Number.
76 *****
77 Enter the guess(1-100):
78 90
79 Your guess is Smaller than the secret Number.
80 *****
81 Enter the guess(1-100):
82 95
83 Your guess is Smaller than the secret Number.
84 *****
85 Enter the guess(1-100):
86 98
87 Your guess is Greater than the secret Number.
88 Sorry you ran out of attempt.The correct Number is:97 Butter Luck For Next Time!!!!
89 Score=0
90 you take 6 attempt
91 #*****
*****#
92
93 C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java
94
95 C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
96 *****
97 Enter the guess(1-100):
98 50
99 Your guess is Smaller than the secret Number.
100 *****
101 Enter the guess(1-100):
102 80
103 Your guess is Greater than the secret Number.
104 *****
105 Enter the guess(1-100):
106 70
107 Your guess is Smaller than the secret Number.
108 *****
109 Enter the guess(1-100):
110 75
111 Your guess is correct Congratulation!!!!
112 Score=1
113 you take 3 attempt
114 #*****
*****#
115
116 C:\Users\admin\OneDrive\Desktop\program>javac NumberGuessingGame.java
117
118 C:\Users\admin\OneDrive\Desktop\program>java NumberGuessingGame
119 *****
120 Enter the guess(1-100):
121 50
122 Your guess is Smaller than the secret Number.
123 *****
124 Enter the guess(1-100):
125 75
126 Your guess is Greater than the secret Number.
127 *****

```

```

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

```