

## PROGRAM SPECIFICATIONS: BINGO GAME

## SOURCE CODE

```

1 import random
2
3 allNum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,
4           16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
5           31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45,
6           46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
7           61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75]
8
9 B = []
10 I = []
11 N = []
12 G = []
13 O = []
14 B_list = []
15 I_list = []
16 N_list = []
17 G_list = []
18 O_list = []
19
20 print('\n\t\t\t\t\t[BINGO GAME]\n')
21 for allNum in range(0, 15):
22     B_list.append(allNum + 1)
23 print("B =>", *B_list, sep=" ")
24 for allNum in range(15, 30):
25     I_list.append(allNum + 1)
26 print("I =>", *I_list, sep=" ")
27 for allNum in range(30, 45):
28     N_list.append(allNum + 1)
29 print("N =>", *N_list, sep=" ")
30 for allNum in range(45, 60):
31     G_list.append(allNum + 1)
32 print("G =>", *G_list, sep=" ")
33 for allNum in range(60, 75):
34     O_list.append(allNum + 1)
35 print("O =>", *O_list, sep=" ")
36 print()
37 print()
38
39 while True:
40     draw = input("Do you want to pick a random number? (Y/N) ")
41
42     if draw == "Y" or draw == "y":

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```
37 print()
38
39 while True:
40     draw = input("Do you want to pick a random number? (Y/N) ")
41
42     if draw == "Y" or draw == "y":
43         allNum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,
44                 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
45                 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45,
46                 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
47                 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75]
48         selectedNumber = random.choice(allNum)
49         print()
50         input("Press enter to continue...")
51         print()
52         if 0 <= selectedNumber <= 15:
53             B.append(selectedNumber)
54             if selectedNumber in B_list:
55                 B_list.remove(selectedNumber)
56             else:
57
58                 print("The same number has been picked. Please pick another number")
59                 draw = input("Do you want to pick a random number? (Y/N) ")
60
61
62         print("B = >", *B_list, "\nI = >", *I_list, "\nN = >", *N_list, "\nG = >", *G_list, "\nO = >", *O_list)
63         print("\nSELECTED NUMBER: \nB = > " + str(B)[1:-1] + "\nI = > " + str(I)[1:-1] + "\nN = > " + str(N)[1:-1] + "\nG = > " + str(G)[1:-1] + "\nO = > " + str(O)[1:-1], sep=", ")
64         print()
65         print("RANDOM SELECTED NUMBER : B - " + str(selectedNumber))
66
67         if 16 <= selectedNumber <= 30:
68             I.append(selectedNumber)
69             if selectedNumber in I_list:
70                 I_list.remove(selectedNumber)
71             else:
72
73                 print("The same number has been picked. Please pick another number")
74                 draw = input("Do you want to pick a random number? (Y/N) ")
75
76         print("B = >", *B_list, "\nI = >", *I_list, "\nN = >", *N_list, "\nG = >", *G_list, "\nO = >", *O_list)
77         print("\nSELECTED NUMBER: \nB = > " + str(B)[1:-1] + "\nI = > " + str(I)[1:-1] + "\nN = > " + str(N)[1:-1] + "\nG = > " + str(G)[1:-1] + "\nO = > " + str(O)[1:-1], sep=", ")
78         print()
```

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```
76         print("B = >", *B_list, "\nI = >", *I_list, "\nN = >", *N_list, "\nG = >", *G_list, "\nO = >", *O_list)
77         print("\nSELECTED NUMBER: \nB = > " + str(B)[1:-1] + "\nI = > " + str(I)[1:-1] + "\nN = > " + str(N)[1:-1] + "\nG = > " + str(G)[1:-1] + "\nO = > " + str(O)[1:-1], sep=", ")
78         print()
79         print("RANDOM SELECTED NUMBER : I - " + str(selectedNumber))
80
81         if 31 <= selectedNumber <= 45:
82             N.append(selectedNumber)
83             if selectedNumber in N_list:
84                 N_list.remove(selectedNumber)
85             else:
86
87                 print("The same number has been picked. Please pick another number")
88                 draw = input("Do you want to pick a random number? (Y/N) ")
89
90         print("B = >", *B_list, "\nI = >", *I_list, "\nN = >", *N_list, "\nG = >", *G_list, "\nO = >", *O_list)
91         print("\nSELECTED NUMBER: \nB = > " + str(B)[1:-1] + "\nI = > " + str(I)[1:-1] + "\nN = > " + str(N)[1:-1] + "\nG = > " + str(G)[1:-1] + "\nO = > " + str(O)[1:-1], sep=", ")
92         print()
93         print("RANDOM SELECTED NUMBER : N - " + str(selectedNumber))
94
95
96         if 46 <= selectedNumber <= 60:
97             G.append(selectedNumber)
98             if selectedNumber in G_list:
99                 G_list.remove(selectedNumber)
100             else:
101
102                 print("The same number has been picked. Please pick another number")
103                 draw = input("Do you want to pick a random number? (Y/N) ")
104
105         print("B = >", *B_list, "\nI = >", *I_list, "\nN = >", *N_list, "\nG = >", *G_list, "\nO = >", *O_list)
106         print("\nSELECTED NUMBER: \nB = > " + str(B)[1:-1] + "\nI = > " + str(I)[1:-1] + "\nN = > " + str(N)[1:-1] + "\nG = > " + str(G)[1:-1] + "\nO = > " + str(O)[1:-1], sep=", ")
107         print()
108         print("RANDOM SELECTED NUMBER : G - " + str(selectedNumber))
109
110         if 61 <= selectedNumber <= 75:
111             O.append(selectedNumber)
112             if selectedNumber in O_list:
113                 O_list.remove(selectedNumber)
114             else:
115
116                 print("The same number has been picked. Please pick another number")
117                 draw = input("Do you want to pick a random number? (Y/N) ")
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112         if selectedNumber in 0_list:
113             0_list.remove(selectedNumber)
114         else:
115
116             print("The same number has been picked. Please pick another number")
117             draw = input("Do you want to pick a random number? (Y/N) ")
118
119             print("B => ", *B_list, "\nI => ", *I_list, "\nN => ", *N_list, "\nG => ", *G_list, "\nO => ", *O_list)
120             print("\nSELECTED NUMBER: \nB => " + str(B)[1:-1] + "\nI => " + str(I)[1:-1] + "\nN => " + str(N)[1:-1] + "\nG => " + str(G)[1:-1] + "\nO => " + str(O)[1:-1], sep=", ")
121             print()
122             print("RANDOM SELECTED NUMBER : 0 - " + str(selectedNumber))
123
124     elif B and I and N and G and O:
125         print("\t\t\t\t\tBINGO!!!!!!")
126         print()
127         print()
128         print("This BINGO Game is Over")
129         draw2 = input("Do you want to play another BINGO Game? (Y/N) ")
130         if draw2 == "Y" or draw2 == "y":
131             print("\t\t\t\t\tSTART OF BINGO GAME")
132             B_list.clear()
133             I_list.clear()
134             N_list.clear()
135             G_list.clear()
136             O_list.clear()
137             B.clear()
138             I.clear()
139             N.clear()
140             G.clear()
141             O.clear()
142             print()
143             for allNum in range(0, 15):
144                 B_list.append(allNum + 1)
145             print("B => ", *B_list, sep=", ")
146             for allNum in range(15, 30):
147                 I_list.append(allNum + 1)
148             print("I => ", *I_list, sep=", ")
149             for allNum in range(30, 45):
150                 N_list.append(allNum + 1)
151             print("N => ", *N_list, sep=", ")
152             for allNum in range(45, 60):
153                 G_list.append(allNum + 1)

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```

127         print()
128         print("This BINGO Game is Over")
129         draw2 = input("Do you want to play another BINGO Game? (Y/N) ")
130         if draw2 == "Y" or draw2 == "y":
131             print("\t\t\t\t\tSTART OF BINGO GAME")
132             B_list.clear()
133             I_list.clear()
134             N_list.clear()
135             G_list.clear()
136             O_list.clear()
137             B.clear()
138             I.clear()
139             N.clear()
140             G.clear()
141             O.clear()
142             print()
143             for allNum in range(0, 15):
144                 B_list.append(allNum + 1)
145             print("B => ", *B_list, sep=", ")
146             for allNum in range(15, 30):
147                 I_list.append(allNum + 1)
148             print("I => ", *I_list, sep=", ")
149             for allNum in range(30, 45):
150                 N_list.append(allNum + 1)
151             print("N => ", *N_list, sep=", ")
152             for allNum in range(45, 60):
153                 G_list.append(allNum + 1)
154             print("G => ", *G_list, sep=", ")
155             for allNum in range(60, 75):
156                 O_list.append(allNum + 1)
157             print("O => ", *O_list, sep=", ")
158             print()
159             print()
160         else:
161             print()
162             print("Thank you for using the game!")
163             break

```

## OUTPUT

Run script x

⋮ —



```
C:\Users\Vincent\PyCharmMiscProject\.venv\Scripts\python.exe C:\Users\Vince  
[BINGO GAME]
```

```
B =>, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
```

```
I =>, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
```

```
N =>, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
```

```
G =>, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60
```

```
O =>, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75
```

```
Do you want to pick a random number? (Y/N)
```



```
C:\Users\Vincent\PyCharmMiscProject\.venv\Scripts\python.exe C:\Users\Vincent\PyCharmMiscProject\BINGO_GAME.py  
[BINGO GAME]
```

```
B =>, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
```

```
I =>, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
```

```
N =>, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45
```

```
G =>, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60
```

```
O =>, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75
```

```
Do you want to pick a random number? (Y/N) Y
```

```
Press enter to continue...
```

```
B = > 1 2 3 4 5 7 8 9 10 11 12 13 14 15
```

```
I = > 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
```

```
N = > 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
```

```
G = > 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
```

```
O = > 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75
```

```
SELECTED NUMBER:
```

```
B = > 6
```

```
I = >
```

```
N = >
```

```
G = >
```

```
O = >
```

```
RANDOM SELECTED NUMBER : B - 6
```

```
Do you want to pick a random number? (Y/N) |
```

Run

script x

↻ | :

↑

B = > 6, 11, 10, 13, 15

I = >

↓

N = > 44, 34, 43, 40

↔

G = > 46, 49, 56

⇕

O = > 71

🖨

RANDOM SELECTED NUMBER : G - 56

🗑

Do you want to pick a random number? (Y/N) Y

Press enter to continue...

B = > 1 2 3 4 5 7 8 9 12 14

I = > 16 17 18 19 20 21 22 23 25 26 27 28 29 30

N = > 31 32 33 35 36 37 38 39 41 42 45

G = > 47 48 50 51 52 53 54 55 57 58 59 60

O = > 61 62 63 64 65 66 67 68 69 70 72 73 74 75

SELECTED NUMBER:

B = > 6, 11, 10, 13, 15

I = > 24

N = > 44, 34, 43, 40

G = > 46, 49, 56

O = > 71

RANDOM SELECTED NUMBER : I - 24

BINGO!!!!!!!

This BINGO Game is Over

Do you want to play another BINGO Game? (Y/N) Y

START OF BINGO GAME

B =>, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

I =>, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

N =>, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

G =>, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

O =>, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75

Do you want to pick a random number? (Y/N)



N = > 33 34 35 38 39 40 41 42 43 44

G = > 46 47 48 49 50 51 52 53 54 55 56 57 59 60

O = > 62 63 64 65 66 67 68 69 71 72 73 74

SELECTED NUMBER:

B = >

I = > 29, 26

N = > 45, 31, 36, 32, 37

G = > 58

O = > 70, 75, 61

RANDOM SELECTED NUMBER : I - 26

Do you want to pick a random number? (Y/N) Y

Press enter to continue...

B = > 1 2 3 4 5 6 8 9 10 11 12 13 14 15

I = > 16 17 18 19 20 21 22 23 24 25 27 28 30

N = > 33 34 35 38 39 40 41 42 43 44

G = > 46 47 48 49 50 51 52 53 54 55 56 57 59 60

O = > 62 63 64 65 66 67 68 69 71 72 73 74

SELECTED NUMBER:

B = > 7

I = > 29, 26

N = > 45, 31, 36, 32, 37

G = > 58

O = > 70, 75, 61

RANDOM SELECTED NUMBER : B - 7

BINGO!!!!!!!

This BINGO Game is Over

Do you want to play another BINGO Game? (Y/N) N

Thank you for using the game!

Process finished with exit code 0



## **VIDEO RECORDING EXPLAINING YOUR CASE STUDY!**

1. In addition to the source code and sample run screenshots, you must provide a video recording explaining your source code.
2. Create a video demonstration using your own voice for the narration. Avoid using AI-generated voices, such as 'Text-to-Speech' applications, as it is important to confirm that you are the one personally recording the video.
3. The video duration is preferably from **10 to 20 minutes** only. If necessary, you can extend it by up to **30 minutes**.
4. You need to explain your code and show the program output.
5. Make sure to record your video in a quiet environment to minimize background noise and ensure clear audio quality.
6. **Do not use BACKGROUND MUSIC**, as it may reduce the clarity of your narration.
7. The video must be recorded in **MP4 format**.
8. Save the video with the specified Filename format below. Replace X with your section number.

**Filename Format : Python\_Case01\_Bingo\_DIT3X\_Lastname\_Firstname.mp4**

**Example Filename: Python\_Case01\_Bingo\_DIT31\_Andoy\_Mastro.mp4**

9. Upload your video to your Personal Google Drive and provide the shared link in the **END PART** of this Submission File (MS Word). Make sure to change the sharing settings to **'ANYONE WITH THE LINK'** to ensure accessibility. Do not upload your video to YouTube.

**VIDEO LINK:** [https://drive.google.com/file/d/1SHt7PCyZQ\\_-O7OevUwB1JQ98tc-0YINR/view?usp=sharing](https://drive.google.com/file/d/1SHt7PCyZQ_-O7OevUwB1JQ98tc-0YINR/view?usp=sharing)