

Capstone Project Questions

Q1) Project details...

Ans) My capstone project is a Bingo game. It is a simple code that includes loops (I have used for-loop) and conditions- if & else...

This is the code ↴

```
#Bingo
a=[]
for x in range(10):
    b=int(input('Enter a number between 1 and 99-'))
    a.append(b)
print('These are your bingo numbers-',a)
for y in range(100):
    c=int(input('Enter a number-'))
    if (c in a):
        a.remove(c)
        print(a)
    else:
        print('Sorry you do not have the number... Your numbers are-',a)
    if (len(a)==0):
        print('BINGO!! You won!!!')
        break
```

Q 2) Explain the code...

Ans) First I defined a variable which contains an empty list in it. Then I used a for-loop which will be repeated for 10 times... In that I defined another variable in which the user has to input any number from 1-99. These numbers will be appended to the empty list. Then I print the numbers. The list will be our bingo numbers. Then I used another for-loop that will be repeated 99 times, in which there is a variable where the user will define the number read out by a person. If that number is there in our list of numbers, then that particular number will be removed from the list and the list will be printed. If the number is not there, then the list will be printed without any difference in it. Finally in the end, if the length of the list is 0, then it will print- 'BINGO!! You won!!!'