

COGNIZANCE CLUB

Task-4 [Python Easy Level]

Question-1

D: > Cognizance files > Task-4 > q1.py > ...

```
1  a = int(input("Enter the first number: "))
2  b = int(input("Enter the second number: "))
3  print(a+b)  #Print statement
```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

```
PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q1.py"
Enter the first number: 6
Enter the second number: 3
9
PS C:\Users\HP> █
```

Question-2

D: > Cognizance files > Task-4 > q2.py > ...

```
1 string = input("Enter the string: ") # User input a string
2 a = string[::2] # creates a string with characters index as multiples of 2
3 print(a) #Print Statement
4
```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

```
PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q2.py"
Enter the string: Lorem Ipsum
LrmIsm
PS C:\Users\HP> █
```

Question-3

D: > Cognizance files > Task-4 > q3.py > ...

```
1 Matrix = [  
2     ['Roll_no', '   Name', '   Marks'],  
3     ['1', '      Abc', '      90'],  
4     ['2', '      Def', '      95'],  
5     ['3', '      Ghi', '      85\n']  
6 ]  
7  
8 for x in Matrix:    #For loop to print Every list without ' '  
9     print(*x, sep='')  
10  
11 print(*Matrix[2])   #printing second record/row that contains '2      Def      95'
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q3.py"

Roll_no	Name	Marks
1	Abc	90
2	Def	95
3	Ghi	85

2	Def	95
---	-----	----

PS C:\Users\HP> █

Question-4

D: > Cognizance files > Task-4 > q4.py > ...

```
1  numb=int(input("Enter a number:")) # User input a int
2  temp=numb
3  rev=0
4
5  while(numb>0): #while loop
6      dig=numb%10
7      rev=rev*10+dig
8      numb=numb//10
9
10 if(temp==rev): #if loop to verify if its a palindrome or not
11     print("The number is palindrome!")
12 else:
13     print("Not a palindrome!")
```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

```
PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q4.py"
Enter a number:545
The number is palindrome!
PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q4.py"
Enter a number:4568
Not a palindrome!
PS C:\Users\HP> █
```

Question-5

D: > Cognizance files > Task-4 > q5.py > ...

```
1 num=int(input("Enter the number of rows: "))    # User input a string
2
3 for i in range(0,num):    #if loop
4     for j in range(0,num-i-1):
5         print(end=" ")
6     for j in range(0,i+1):
7         print("*",end=" ")
8     print()    #new Line
```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

PS C:\Users\HP> python -u "d:\Cognizance files\Task-4\q5.py"

Enter the number of rows: 5

```
 *
* *
* * *
* * * *
* * * * *
```

PS C:\Users\HP> █