

## OUTPUT SCREENSHOTS:

### Q1:

Cognizance Task 4.py - C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py (3.7.2)

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# Name : Amirthavarshini V (21105)  
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# Cognizance club Task -4 Easy level python programming  
  
# Question - 1  
# Program to perform simple addition  
  
num1 = int(input("Enter Number 1 : "))  
num2 = int(input("Enter Number 2 : "))  
print("The sum of the entered numbers is : ", num1+num2)

Python 3.7.2 Shell

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Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py  
Enter Number 1 : 23  
Enter Number 2 : 34  
The sum of the entered numbers is : 57  
>>> |

### Q2:

Q2.py - C:/Users/User/OneDrive/Desktop/Python programs/Q2.py (3.7.2)

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# Question 2  
# Print the characters at the even index  
  
ch = input("Enter the string : ")  
print("Characters at even index are : ", ch[::2])

Python 3.7.2 Shell

File Edit Shell Debug Options Window Help

Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====  
Enter the string : Program  
Characters at even index are : Porm  
>>> |

### Q3:

Q2.py - C:/Users/User/OneDrive/Desktop/Python programs/Q2.py (3.7.2)

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# Question 3  
# Write a program that contains 2D list with table of records  
  
# Creating the list  
T = [ ['Roll number', 'Name', 'Marks'], ['1', 'Abc', '90'], ['2', 'Def', '95'], ['3', 'Ghi', '85']]  
for j in T:  
 print(j)  
  
# Appending A new record  
new\_rec = input("Enter the new record to be added to the list: ")  
T.append(new\_rec)  
for i in T:  
 print(i)  
  
# Extracting a record from the table  
rec = int(input("Enter the record that needs to be extracted : "))  
print(T[rec])

Python 3.7.2 Shell

File Edit Shell Debug Options Window Help

Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====  
['Roll number', 'Name', 'Marks']  
['1', 'Abc', '90']  
['2', 'Def', '95']  
['3', 'Ghi', '85']  
Enter the new record to be added to the list: ['4', 'jkl', '87']  
['Roll number', 'Name', 'Marks']  
['1', 'Abc', '90']  
['2', 'Def', '95']  
['3', 'Ghi', '85']  
['4', 'jkl', '87']  
Enter the record that needs to be extracted : 2  
['2', 'Def', '95']  
>>> |

### Q4:

Q2.py - C:/Users/User/OneDrive/Desktop/Python programs/Q2.py (3.7.2)

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# Question 4  
# Check if a number is palindrome or not  
  
num1 = input("Enter the number : ")  
num2 = num1[::-1]  
if num1 == num2:  
 print("True")  
else:  
 print("False")

Python 3.7.2 Shell

File Edit Shell Debug Options Window Help

Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====  
Enter the number : 121  
>>>  
True  
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====  
Enter the number : 432  
>>>  
False  
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====  
Enter the number : 545  
>>>  
True  
>>> |

Q5:

```
Q2.py - C:/Users/User/OneDrive/Desktop/Python programs/Q2.py (3.7.2)
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# Question 5
# Print the pattern

r = int(input("Enter the number of rows : "))
k = 0
for i in range(0, r+1):
    for k in range(1, (r-i)+1):
        print(end = " ")
    for j in range(0, i):
        print("**", end=" ")
    print("\n")

Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Q2.py =====
Enter the number of rows : 5

    *
   **
  ***
 ****
*****

>>> |
```

FINAL OUTPUTS FROM COMBINED PROGRAM:

```
Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py
Enter the question you want to see : 1
Q1 - Write a program to perform addition on two user input numbers.
Enter Number 1 : 34
Enter Number 2 : 45
The sum of the entered numbers is : 79
>>>
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py
Enter the question you want to see : 2
Q2 - Write a program to accept a string from the user and display characters, that are present at an even index number.
Enter the string : Lorem Ipsum
Characters at even index are : LrmIsm
>>>
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py
Enter the question you want to see : 3
Q3 - Write a python program to make a 2-dimensional list that contains represents a table of records
['Roll number', 'Name', 'Marks']
['1', 'Abc', '90']
['2', 'Def', '95']
['3', 'Ghi', '85']
Enter the new record to be added to the list: ['4', 'Jkl', '87']
['Roll number', 'Name', 'Marks']
['1', 'Abc', '90']
['2', 'Def', '95']
['3', 'Ghi', '85']
['4', 'Jkl', '87']
Enter the record that needs to be extracted : 3
['3', 'Ghi', '85']
>>>
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py
Enter the question you want to see : 4
Q4 - Write a program to check if the given number is a palindrome number.
Enter the number : 545
True
>>>
RESTART: C:/Users/User/OneDrive/Desktop/Python programs/Cognizance Task 4.py
Enter the question you want to see : 5
Q5 - Print the pattern.
Enter the number of rows : 5

    *
   **
  ***
 ****
*****

>>>
```