

CORE MODULE 4

Web Development

PRACTICAL

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Course	: -	ADIT (IBM)
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Module	: -	Core Module 4
Practical	: -	Web Development
Requirements/tools	: -	

- i) Hardware: -
 - i. Working PC with Hard disk installed
 - ii. Internet connection
- ii) Software: -
 - i. VS CODE
 - ii. Python

Question 2: - Write a Python program that accepts an integer (n) and computes the value of n+nn+nnn.

Solution: -

STEP1: - Accept input from the user

```
n = input("Enter an integer: ")
```

STEP2: - Create the values for nn and nnn

```
nn = n + n # Concatenates the string n twice  
nnn = n + n + n # Concatenates the string n three times
```

STEP3: - Convert the strings to integers and compute the result

```
result = int(n) + int(nn) + int(nnn)
```

STEP4:- Output the result

```
print(f"The result of n + nn + nnn for n = {n} is: {result}")
```

After completing all the steps, the final code will be

```
# Step 1: Accept input from the user
n = input("Enter an integer: ")

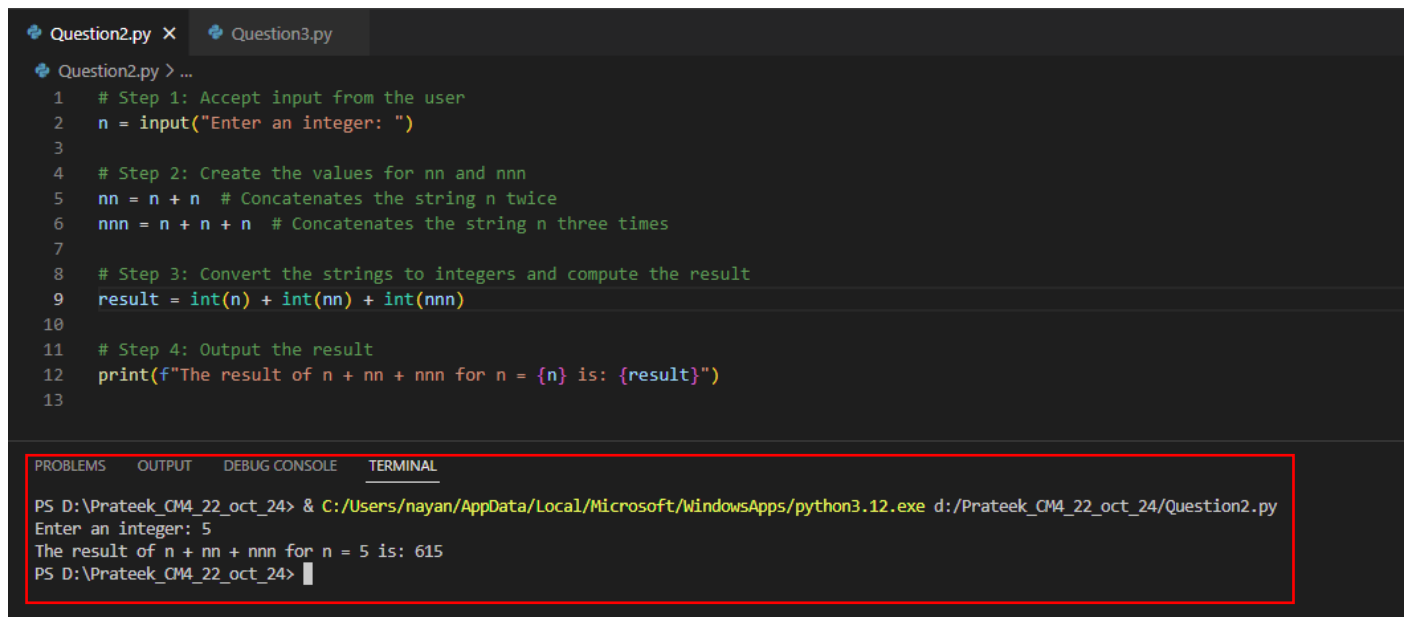
# Step 2: Create the values for nn and nnn
nn = n + n # Concatenates the string n twice
nnn = n + n + n # Concatenates the string n three times

# Step 3: Convert the strings to integers and compute the result
result = int(n) + int(nn) + int(nnn)

# Step 4: Output the result
print(f"The result of n + nn + nnn for n = {n} is: {result}")
```

OUTPUT:-

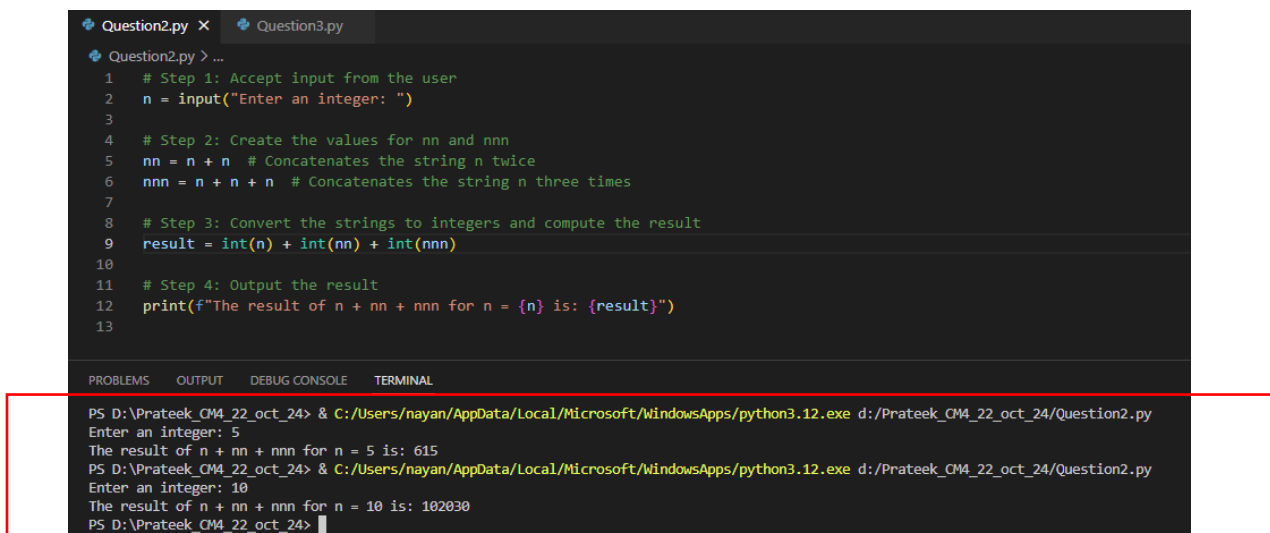
If the input is 5



The screenshot shows a code editor with two tabs: 'Question2.py' and 'Question3.py'. The 'Question2.py' tab is active, displaying the Python code from the previous block. Below the code editor, there is a terminal window with the following output:

```
PS D:\Prateek_CM4_22_oct_24> & C:/Users/nayan/AppData/Local/Microsoft/WindowsApps/python3.12.exe d:/Prateek_CM4_22_oct_24/Question2.py
Enter an integer: 5
The result of n + nn + nnn for n = 5 is: 615
PS D:\Prateek_CM4_22_oct_24> |
```

If the input is 10



The screenshot shows the same code editor as before, but with the terminal window displaying the output for input 10:

```
PS D:\Prateek_CM4_22_oct_24> & C:/Users/nayan/AppData/Local/Microsoft/WindowsApps/python3.12.exe d:/Prateek_CM4_22_oct_24/Question2.py
Enter an integer: 5
The result of n + nn + nnn for n = 5 is: 615
PS D:\Prateek_CM4_22_oct_24> & C:/Users/nayan/AppData/Local/Microsoft/WindowsApps/python3.12.exe d:/Prateek_CM4_22_oct_24/Question2.py
Enter an integer: 10
The result of n + nn + nnn for n = 10 is: 102030
PS D:\Prateek_CM4_22_oct_24> |
```

Question 3: - Write a python program to print a specified list after removing the 0th, 4th, and 5th elements

Sample list: ['Red', 'Green', 'white', 'black', 'pink', 'yellow']

Expected output: ['Green', 'White', 'Black']

Step 1: Define the sample list

```
sample_list = ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']
```

Step 2: Remove the 5th, 4th, and 0th elements

```
# Step 2: Remove the 5th, 4th, and 0th elements
del sample_list[5] # Removes 'Yellow'
del sample_list[4] # Removes 'Pink'
del sample_list[0] # Removes 'Red'
```

Step 3: Print the modified list

```
# Step 3: Print the modified list
print(sample_list)
```

After completing all the steps, the final code will be

```
# Step 1: Define the sample list
sample_list = ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']

# Step 2: Remove the 5th, 4th, and 0th elements in reverse order
del sample_list[5] # Removes 'Yellow'
del sample_list[4] # Removes 'Pink'
del sample_list[0] # Removes 'Red'

# Step 3: Print the modified list
print(sample_list)
```

OUTPUT:-

```
Question3.py > ...
1 # Step 1: Define the sample list
2 sample_list = ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']
3
4 # Step 2: Remove the 5th, 4th, and 0th elements in reverse order
5 del sample_list[5] # Removes 'Yellow'
6 del sample_list[4] # Removes 'Pink'
7 del sample_list[0] # Removes 'Red'
8
9 # Step 3: Print the modified list
10 print(sample_list)
11
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS D:\Prateek_CM4_22_oct_24> & C:/Users/nayan/AppData/Local/Microsoft/WindowsApps/python3.12.exe d:/Prateek_CM4_22_oct_24/Question3.py
['Green', 'White', 'Black']
PS D:\Prateek_CM4_22_oct_24>
```