CORE MODULE 4

Web Development

PRACTICAL

Name	**: -**	**Prateek Kumar**
Registration No	**: -**	**ADIT22AP00152**
NSTI Name	**: -**	**NSTI Noida**
Course	**: -**	**ADIT (IBM)**
Date	**: -**	**22-10-2024**
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

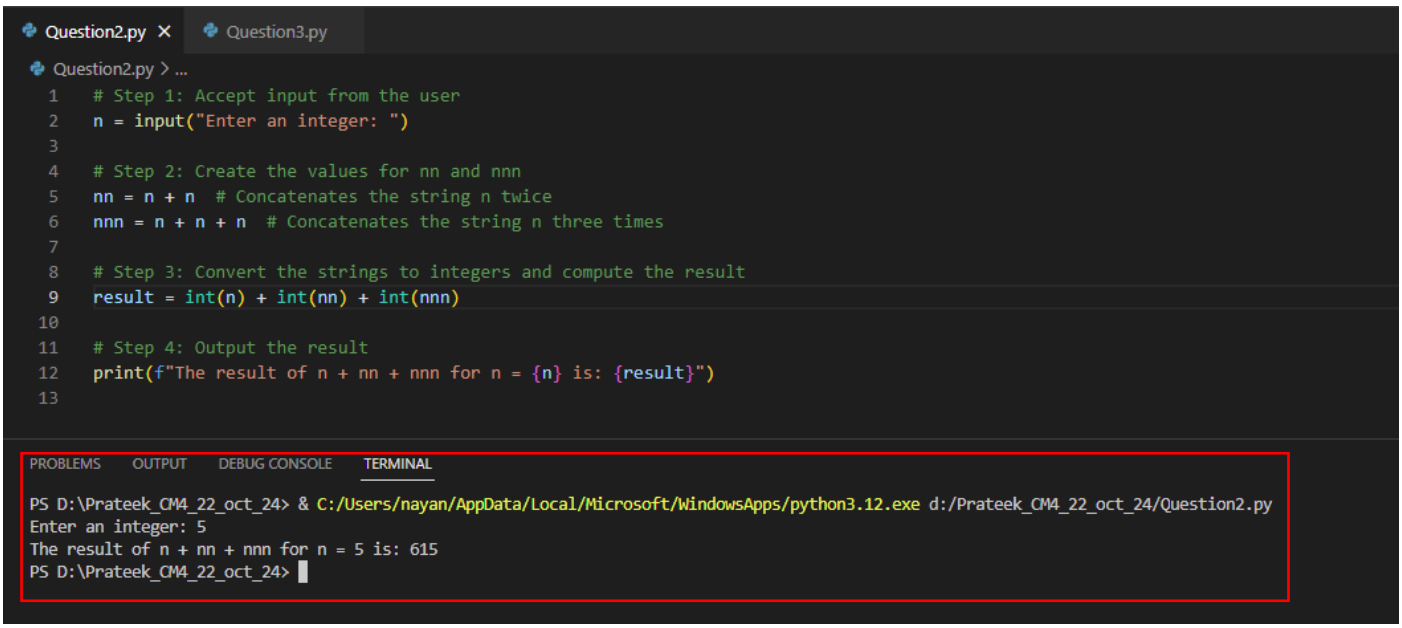
```
print(f"The result of n + nn + nnn for n = {n} is: {result}")
```

After completing all the steps, the final code will be

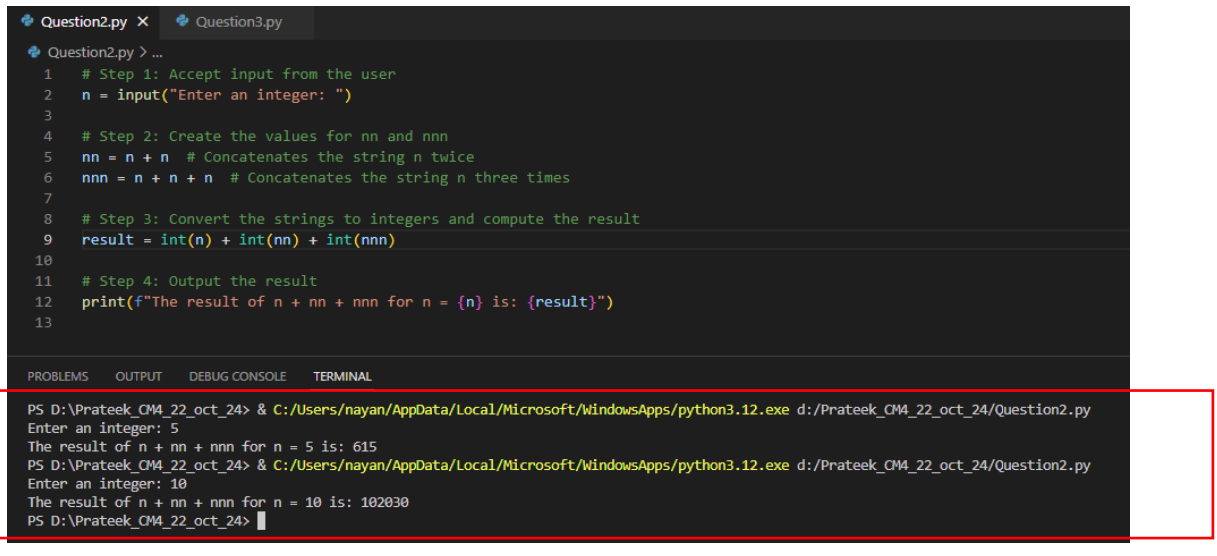
```python
# Step 1: Accept input from the user
n = input("Enter an integer: ")

# 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



If the input is 10



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