

Title: Python Programming Tasks Submission

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GitHub Profile: <https://github.com/vishalP-08/Zillion.git>

Course/Assignment Name: Data Science with Python, Task for Week 1

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Task 1: Print Information Using a Single Print Function

Problem:

Print your name, registered email address, registered phone number, and college name using a single print function but output should be in different lines.

Code:

```
print(" Name : Vishal Pandey\n Email Address :  
its.vishalpandey08@gmail.com\n Phone Number : +917992199075\n College  
Name : Dr. Rammanohar Lohia Avadh University")
```

Output:

Name : Vishal Pandey

Email Address : its.vishalpandey08@gmail.com

Phone Number : +917992199075

College Name : Dr. Rammanohar Lohia Avadh University

Explanation:

This code prints the name, email address, phone number, and college name on different lines using a single print() function. The newline character \n is used to separate the different pieces of information.

Task 2: Check Divisibility by 3, 5, or 7

Problem:

Take any integer number as user input. If that number is divisible by 3, 5, or 7, print "Divisible by 3, 5, 7", else print "Not useful".

Code:

```
number= int(input("Enter the number to check the divisibility by 3, 5, or 7 :"))
if number % 3 == 0 or number % 5 == 0 or number % 7 == 0 :
    print("Divisible by 3, 5, 7")
else:
    print("Not useful")
```

Output:

Enter the number to check the divisibility by 3, 5, or 7 :12

Divisible by 3, 5, 7

Enter the number to check the divisibility by 3, 5, or 7 :8

Not useful

Explanation:

The program takes an integer input from the user and checks if the number is divisible by 3, 5, or 7. If so, it prints "Divisible by 3, 5, 7". If not, it prints "Not Useful".

Task 3: Reverse the Order of Words in a Sentence

Problem:

Take any sentence from the user as input and reverse the order of words without using any predefined function.

Code:

```
sentence = input("Enter a sentence: ")  
words = sentence.split() # Split sentence into words  
reversed_sentence = ' '.join(reversed(words)) # Reverse the order of words and  
join them back into a string  
print(reversed_sentence)
```

Output:

Enter a sentence: My name is Vishal Pandey

Pandey Vishal is name My

Explanation:

This program splits the user input sentence into words using the `split()` method. Then, it reverses the order of words and joins them back together using the `join()` method.

Task 4: Random 4-Digit OTP Generator

Problem:

Write a program to create a random 4-digit OTP generator.

Code:

```
import random

OtpGeneration = random.randint(1000, 9999) #Generate a random 4 Digit
#Number as OTP.

print("Your OTP is : ", OtpGeneration)
```

Output:

Your OTP is : 2714

Your OTP is : 9278

Explanation:

This program generates a random 4-digit number using Python's `random.randint()` function and prints it as the OTP.