

Advance Python Programming & Application

Assignment Day

9-March-2024 (Saturday)

String Manipulation:

1. Task: Write a Python program that takes a string as input and prints its length.
2. Task: Write a Python program that takes a string as input and prints it in uppercase.
3. Task: Write a Python program that takes two strings as input and concatenates them.

Logical Operators:

1. Task: Write a Python program that checks if a given number is both even and divisible by 3.
2. Task: Write a Python program that checks if a given number is a natural number
3. Task: Write a Python program that checks if a given character is a vowel (a, e, i, o, u).

If Statement:

1. Task: Write a Python program that takes a number as input and prints "Positive" if it's greater than zero.
2. Task: Write a Python program that takes a user's input as a password. If the password is "password123", print "Access granted". Otherwise, print "Access denied".
3. Task: Write a Python program that takes a year as input and prints "Leap year" if it's divisible by 4 and not divisible by 100, or if it's divisible by 400.

Elif Statement:

3. Task: Write a Python program that takes a month number as input and prints the corresponding month name.

Conditional Statements:

1. Task: Write a Python program that takes two numbers as input and prints the larger number.

2.

3. Task: Write a Python program that takes two strings as input and prints "Equal" if they are the same, otherwise print "Not Equal".

Arithmetic Operators:

1. Task: Write a Python program that takes a number as input and prints its square.

Numbers:

1. Task: Write a Python program that takes a number as input and prints its absolute value.

2. Task: Write a Python program that takes two numbers as input and prints the difference between the larger and smaller number.

Comparison Operators:

1. Task Write a Python program that takes three numbers as input and prints the highest value.

2. Write a Python program that takes four numbers as input and prints the lowest value.

3. Task Write a Python program that takes a number as input and checks if it's within the range of 10 to 20, 30 to 40, or 50 to 60. Print the corresponding range if true, otherwise print "Out of range"

4. Task: Write a Python program that takes three strings as input and compares their lengths. Print the longest string.