

Full Stack Web Development using Python on Django

Assignment-12: Decision Control

1. Write a python script to check whether a given number is positive or non-positive
2. Write a python script to check whether a given number is divisible by 5 or not
3. Write a python script to check whether a given number is even or odd
4. Write a python script to print greater between two numbers. Print number only once even if the numbers are the same.
5. Write a python script to print two given words in dictionary order

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Assignment-13: More on Decision Control

1. Write a python script to check whether a given number is a three digit number or not.
2. Write a python script to check whether a given number is positive, negative or zero.
3. Write a python script to check whether a given quadratic equation has two real & distinct roots, real & equal roots or imaginary roots
4. Write a python script to check whether a given year is a leap year or not.
5. Write a python script to print greater among three numbers. Print number only once even if the numbers are the same.

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Assignment-14: Match

1. Write a python script to check whether a given number is a three digit number or not.
2. Write a python script to check whether a given number is positive, negative or zero.
3. Write a python script to make a menu driven program in which user has to choose one of the option from four given options - 1) Odd-Even, 2) positive - Non Positive, 3) Simple Interest and 4) find roots of quadratic equation. Match and execute appropriate code on user selection.
4. Write a python script to take one data from user and evaluate the type of data. If the data is of int type then print Monday, if the data is of float type then print Tuesday, if the data is of complex type then print Wednesday, if the data is of type bool then print Thursday.
5. Write a python script to take a string from the user. If the string is a part of "mysirg" then print "One", if the string is a part of "education" then print "Two" and if the string is a part of "services" then print "Three".

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Assignment-15: while loop

1. Write a python script to print MySirG 5 times on the screen
2. Write a python script to print first 10 natural numbers
3. Write a python script to print first 10 natural numbers in reverse order
4. Write a python script to print first 10 odd natural numbers
5. Write a python script to print first 10 odd natural numbers in reverse order

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Assignment-16: more on while loop

1. Write a python script to print first 10 even natural numbers
2. Write a python script to print first 10 even natural numbers in reverse order
3. Write a python script to print squares of first 10 natural numbers
4. Write a python script to print cubes of first 10 natural numbers
5. Write a python script to print first 10 multiples of 5



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Assignment-17: while loop with user input

1. Write a python script to print MySirG N times on the screen
2. Write a python script to print first N natural numbers
3. Write a python script to print first N natural numbers in reverse order
4. Write a python script to print first N odd natural numbers
5. Write a python script to print first N odd natural numbers in reverse order


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Assignment-18: more on while loop with user input

1. Write a python script to print first N even natural numbers
2. Write a python script to print first N even natural numbers in reverse order
3. Write a python script to print squares of first N natural numbers
4. Write a python script to print cubes of first N natural numbers
5. Write a python script to print first 10 multiples of N

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Assignment-19: for loop

1. Write a python script to print each character of a string with its corresponding Unicode.
 2. Write a Python script to print only vowels of the given string
 3. Write a Python script to count occurrence of spaces in a given string.
 4. Write a Python script to print unique digits of a given integer.
 5. Write a Python script to count number of digits in a given number.
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Assignment-20: for loop and range

1. Write a python script to print the first 10 multiples of 5.
2. Write a python script to print first 10 multiples of N
3. Write a python script to print first M multiples of N.
4. Write a python script to print the first 10 multiples of N in reverse order.
5. Write a python script to print table of user's choice

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Assignment-21: more on for loop and range

1. Write a python script to print first N even natural numbers.
2. Write a python script to print first N odd natural numbers
3. Write a python script to print squares of first N natural numbers.
4. Write a python script to print cubes of first N natural numbers.
5. Write a python script to display all prime numbers within a range.
range start = 15 end = 45

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Assignment-22: Loops

1. Write a Python script to calculate sum of first n natural numbers.
2. Write a Python script to calculate sum of squares of first N natural numbers
3. Write a Python script to calculate sum of cubes of first N natural numbers
4. Write a Python script to calculate sum of first N odd natural numbers.
5. Write a Python script to calculate sum of first n even natural numbers.

