1. Program to find the prime number

Output:

Enter the number: 11

Prime number

Explanation:

First get the inputs from the user then check the number is divisible by 1 and same number for ( ex ) 11 is divisible by 1 and 11 and also count is equal to 2 means it’s a prime number otherwise not a prime number for that purpose I used for loop to check the condition.

2. Create the equation

Output:

distance(10,2,3)

1667

Explanation:

First need to import the numpy and then declared the variables a, b, c using function and write the equation as formula and return that equation and finally find distance measure of the formula.

3. Combine two list

Output:

['wood', 'axe', 'knife', 'tree', 'apple', 'mango', 'melon']

Explanation:

Here take two separate list and combine this two list using + operator and stored in another list.

4. Natural numbers

Output:

Please enter any number:10

The list of natural number from 1 to 10 are

12345678910

explanation:

Here we get the input from the user and print the list of numbers using for loop to print the natural numbers

5. Write class and function for the equation using try except handling

Output:

distance(1,2,3,4)

1.4142135623730951

Explanation:

For this import numpy to perform the mathematical operation and using function to declare the variable and apply the formula for the equation and the result will be stored in the return function finally code will put in the try block and except is used it will runtime error.

6. Write a program to get the python word string

Output:

python

Explanation:

Here I used str1 to store the string from that i want only python word for that i used string[5:11] represent the index value of the string.

7. Find the palindrome program

Output:

Enter a string : madam

String : madam

Reverse : madam

It is palindrome

Explanation:

Using function **def** keyword to check the string and then reverse the string and using if condition to check the string is equal to reverse the string,

Whether the given condition is true means, it will print given string is palindrome otherwise it will print given string is not a palindrome.

8. Write the text file in your system "hello world"

Output:

13

Explanation:

First i opened the file by using the path(r"D:\Kaviya\output.txt",'a') for the file after i write using this method file.write("\n hello world")it will write on the text file that is output.txt.

9. Create button in **GUI** python using **tkinder**

Output:

choosing a programming language

1. python

2. perl

3. java

4. others

Explanation:

First we need to import **tkinder** as tk and assign the root and initialize the variable as v and then create the label using justify to align the text in proper way

And then create the radio button with root, variable, value, padding and using pack method then finally end with **mainloop**.

10. To get only number from the following string

Output:

['89', '9', '38829', '3', '3', '1']

Explanation:

First need to import the regular expression as re and then i used\d+ this is for only digits by using find all keyword to get only number from the string.