Day 2 Assignment

1. Execute the programs which are discussed on Day 2?

example1.py

#basic calculator

first=input("enter first number")

second=input("enter second number")

operator=input("enter operator(+,-,\*,/,%)"

first=int(first)

second=int(second)

if operator=="+":

print(first+second)

elif operator=="-":

print(first-second)

elif operator=="\*":

print(first\*second)

elif operator=="/":

print(first/second)

elif operator=="%":

print(first%second)

else:

print("Invalid operator")

example2.py

students=["sai","priya","darshini"]

for student in students:

if student == "priya":

break;

print(student)

students=["sai","priya","darshini"]

for student in students:

if student == "priya":

continue;

print(student)

marks=(95,98,97,97)

print(marks.count(97))

marks=("english":100,"maths":80)

print(marks["maths"]);

#function

#max num

def max(a,b):

if a>=b:

return a

else:

return b

a=2

b=4

print(max(a,b))

#call by value

def check(str):

str="hello world";

print(str)

name="hello"

check(name)

print("outer----------"+name)

#call by reference

def add(list)

list.append(50)

print(list)

mylist=[10,20]

add(mylist)

print("outer-----")

print(mylist)

Flask

app.py

from flask import Flask

from flask import redirect,url\_for

app=Flask(\_name\_)

@app.route("/")

def home():

return "<h1>Welcome to Flask"</h1>"

@app.route("/courses")

def courses():

return "<h1>Welcome to courses</h1>"

@app.route("/hello")

def hello():

return "<h1>Welcome to debug1</h1>"

@app.route('/<name>')

def name(name):

return f"hello{name}"

@app.route("/admin")

def admin():

return redirect("/")

if \_\_name\_\_=='\_\_main\_\_':

app.run(debug=True)

1. Practice python in idle?

Python Program to find the area of triangle

a = 5

b = 6

c = 7

# Uncomment below to take inputs from the user

a = float(input('Enter first side: '))

b = float(input('Enter second side: '))

c = float(input('Enter third side: '))

# calculate the semi-perimeter

s = (a + b + c) / 2

# calculate the area

area = (s\*(s-a)\*(s-b)\*(s-c)) \*\* 0.5

print('The area of the triangle is %0.2f' %area)