



STACEY WANGUI PORTFOLIO

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INTRODUCTION



I AM A FIRST YEAR STUDENT AT THE USIU UNIVERSITY .AND THIS IS MY PORTFOLIO OF WHAT I HAVE DONE SO FAR. I HAVE INTERACTED WITH DIFFERENT LANGUAGES AND THIS IS WHAT IVE DONE

PYTHON

Area of rectangle

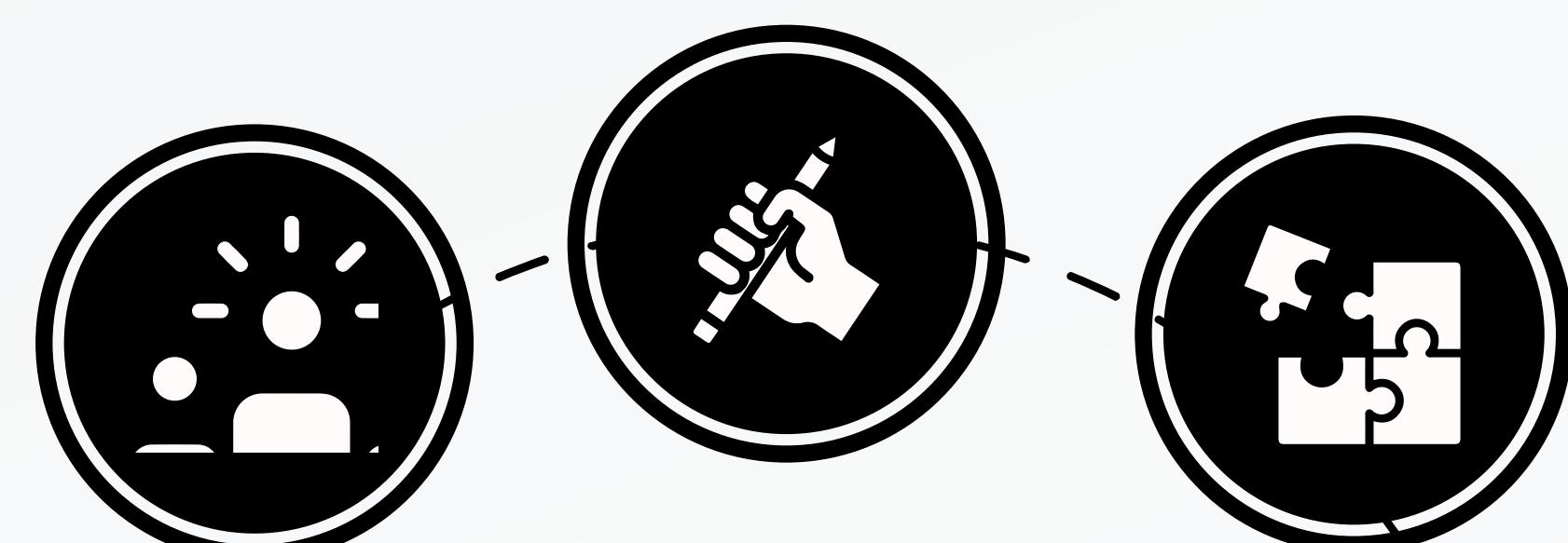
```
def calculate_area_rectangle  
    (length,width):  
        area=(length*width)  
        return  
area)area=calculate_area_rectangle(4  
,2)  
print(area)  
8
```

Arrays

```
fruits=["mango","banana","apple"]  
fruits[0]= 'melon'  
fruits[2] = 'pear'  
print('array after assigning values',fruits)  
array after assigning values ['melon',  
'banana', 'pear']
```

Increment

```
def increment(num):  
    num+=1  
    print('inside  
funtion:',num)  
    x=10  
    increment(x)  
    print('Outside  
function:',x)inside  
funtion: 11  
Outside function: 10
```



JAVA



- **ARRAY**

```
• public class Main {  
•     public static void main(String[] args) {  
•         String[] cars = {"Volvo", "BMW", "Ford", "Mazda"};  
•         System.out.println(cars[0]);  
•     }  
• }
```

LOOP THROUGH AN ARRAY LIST

```
import java.util.ArrayList;
```

```
public class Main {  
    public static void main(String[] args) {  
        ArrayList<String> cars = new ArrayList<String>();  
        cars.add("Volvo");  
        cars.add("BMW");  
        cars.add("Ford");  
        cars.add("Mazda");  
        for (String i : cars) {  
            System.out.println(i);  
        }  
    }  
}
```

C++

While loop in c++

```
#include <iostream>
using namespace std;

int main() {
    int i = 0;
    while (i < 5) {
        cout << i << "\n";
        i++;
    }
    return 0;
}
```

Addition of two numbers

```
#include
<iostream>
using
namespace std;

int main() {
    int x = 5;
    int y = 6;
    int sum = x + y;
    cout << sum;
    return 0;
}
```

HTML can be used to create various things eg websites etc some of the things i've created using HTML ARE BELOW

Enter your Registration Details in this Form

First name:
Last name:

Enter your year of Study: 

Choose a semester: 

Gender

Male
 Female

Units Selection

ICS 2201 Introduction to IT
 ICS 2202 Introduction to programming
 ICS 2203 Internet Programming
 SMA 1000 Foundations of Maths
 SMA 2201 Algebra
 SMA 2205 Calculus
 UCU 1001 Communication Skills
 UCU 1002 Research Methods
 ICS 1202 Databases

Give your motivation in choosing the units

Choose your preferred hostel

Usambar
 Lukenya
 Green Gardens
 Usalama

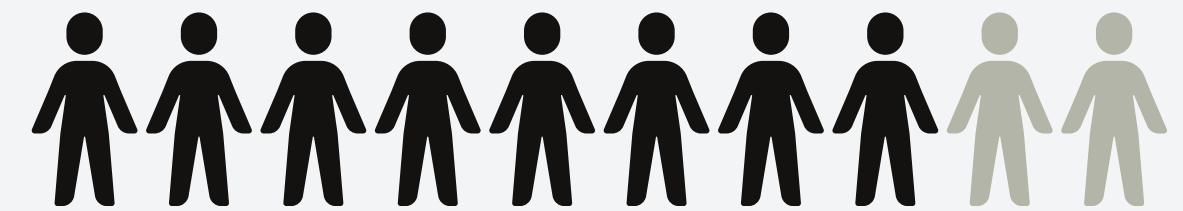
FORMS

WEBSITE

I HAVE USED HTML TOGETHER WITH CSS TO MAKE A
WEBSITE FOR A HOTEL THE LINK IS PROVIDED BELOW

CONCLUSION

THOSE ARE SOME OF THE
THINGS I'VE DONE SO FAR AS I
CONTINUE WITH MY STUDIES
THE PICTURES AND LINKS ARE
INCLUDED



THANK YOU

