**NAME : Arshia Noonari**

**STUDENT ID : BIT-24S-008**

**DEPARTMENT : INFORMATION TECHNOLOGY**

**SUBJECT : ARTIFICIAL TECHNOLOGY**

**LAB:1**

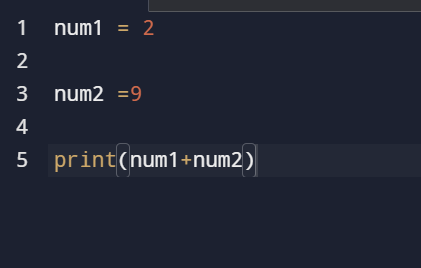
**TASK:1**

**Make 2-2 programs of each datatype.**

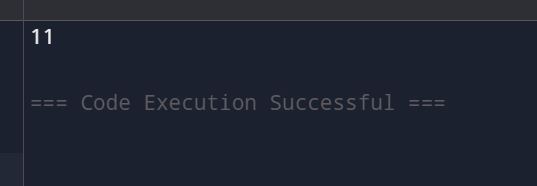
* **NUMERIC TYPES**

**INTEGAER(INT)**

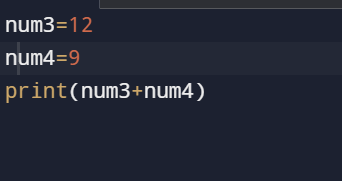
**#progran 1**

****

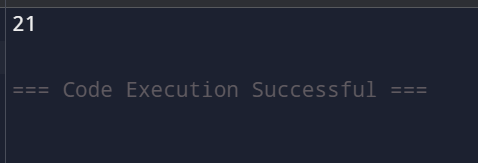
**OUTPUT**

****

**#progran 2**

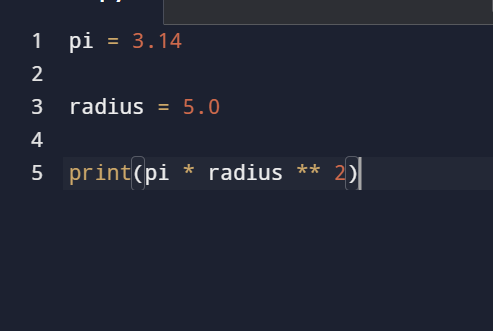
****

**OUTPUT**

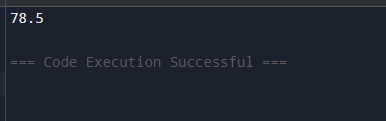
****

* **FLOATING-POINT(Float)**

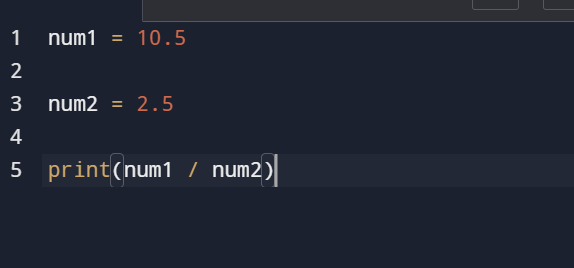
**#Program 1**

****

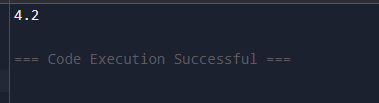
**OUTPUT**

****

**#Program 2**

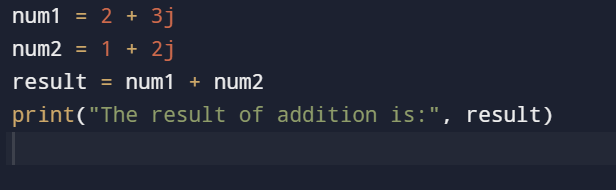
****

**OUTPUT**

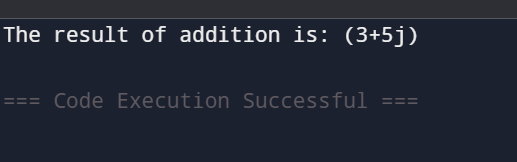
****

* **COMPLEX NUMBER**

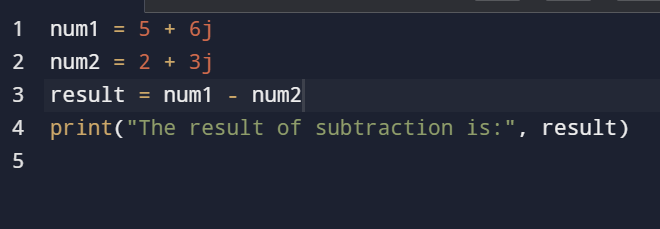
**#Program 1**

****

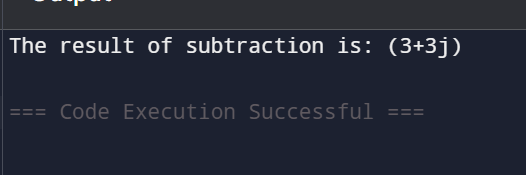
**OUTPUT**

****

**# program 2**

****

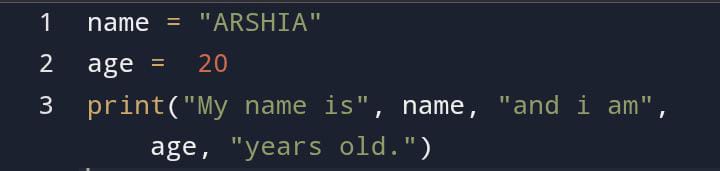
**OUTPUT**

****

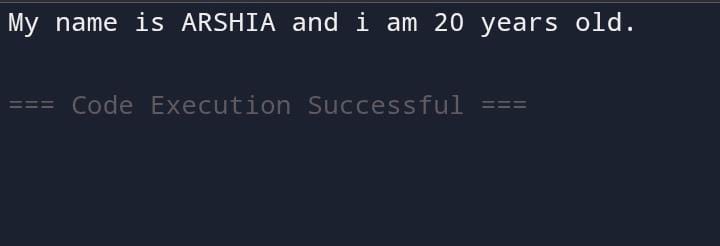
* **Sequence Types**

**String**

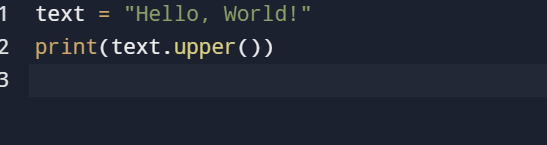
**#Program 1**

****

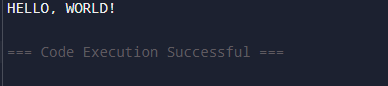
**OUTPUT**

****

**#Program 2**

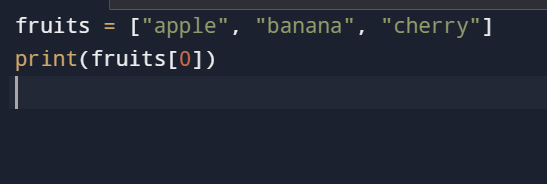
****

**OUTPUT**

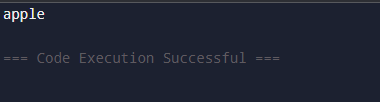
****

* **List**

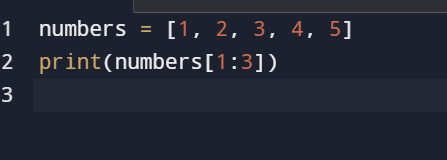
**#Program 1**

****

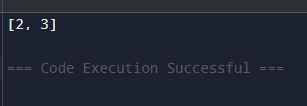
**OUTPUT**

****

**#Program 2**

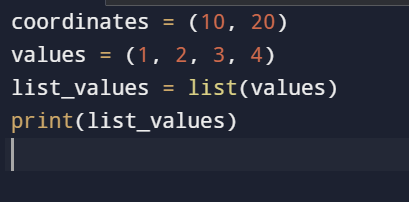
****

**OUTPUT**

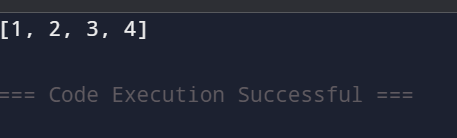


* **TUPLE(tuple):**

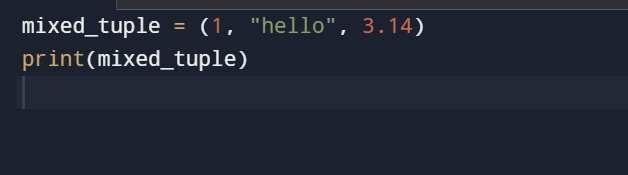
**#program 1**

****

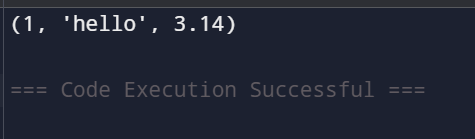
**OUTPUT**

****

**#program 2**

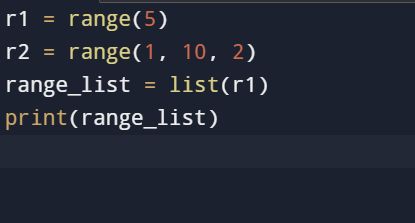
****

**OUTPUT**

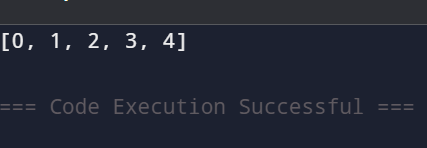
****

* **RANGE(range):**

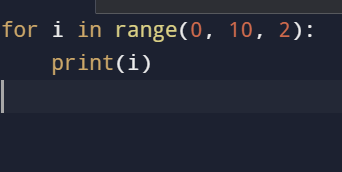
**#PROGRAM 1**

****

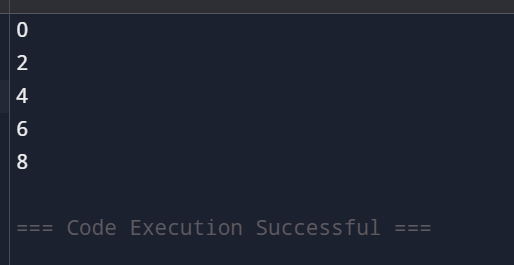
**OUTPUT**

****

**#program 2**

****

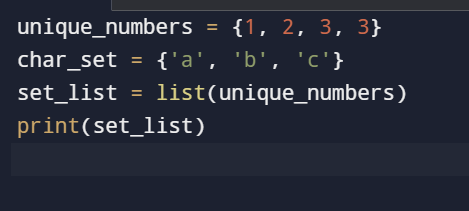
**OUTPUT**

****

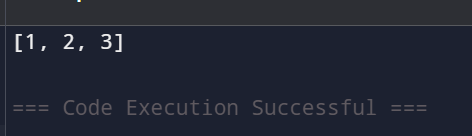
* **SETS TYPES**

**SET(sets)**

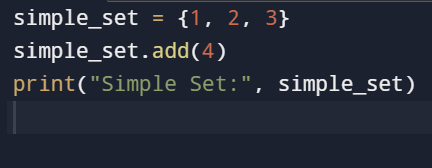
**#program 1**

****

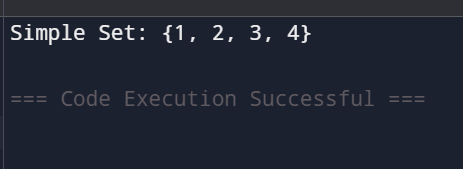
**OUTPUT**

****

**#program 2**

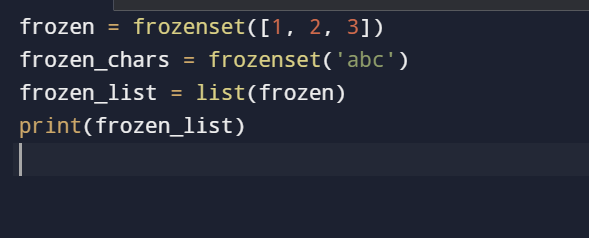
****

**OUTPUT**

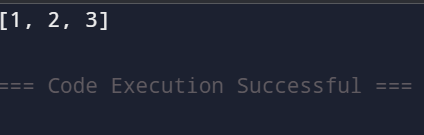
****

**FROZEN SETS(frozensets)**

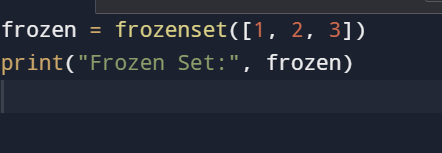
**#program 1**

****

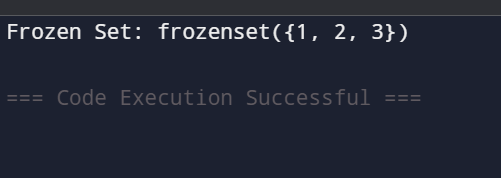
**OUTPUT**

****

**#program 2**

****

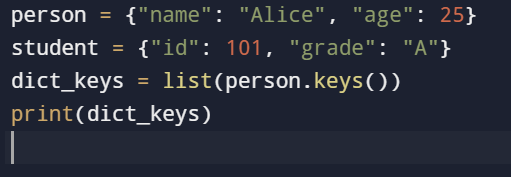
**OUTPUT**

****

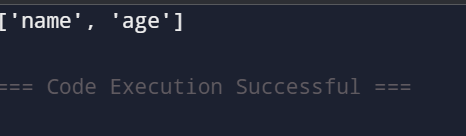
* **MAPPING TYPE**

**DICTIONARY(dict)**

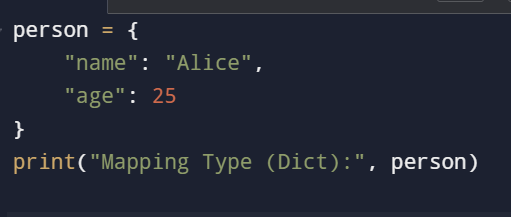
**#program 1**

****

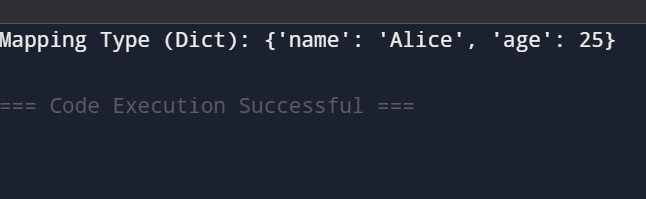
**OUTPUT**

****

**#program 2**

****

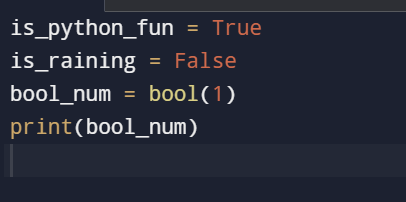
**OUTPUT**

****

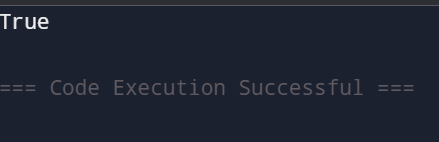
* **BOOLEAN TYPE**

**BOOLEAN(bool)**

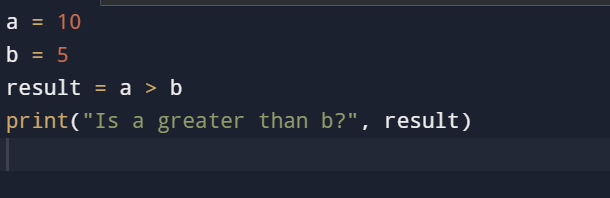
**#program 1**

****

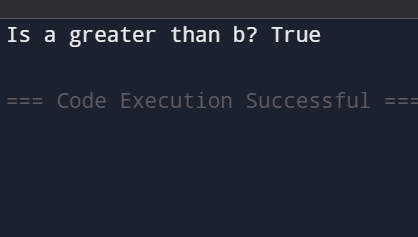
**OUTPUT**

****

**#program 2**

****

**OUTPUT**

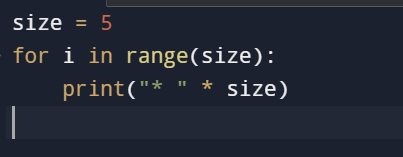


**TASK:2**

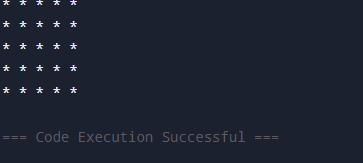
**Make up to 5 Shape programs using \*.**

**Shape Programs**

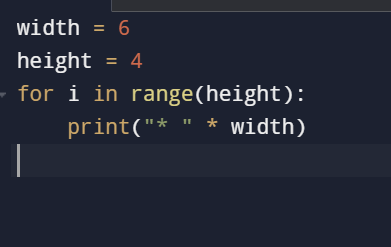
**#Square**



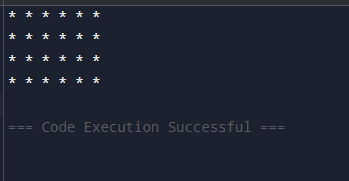
**OUTPUT**

****

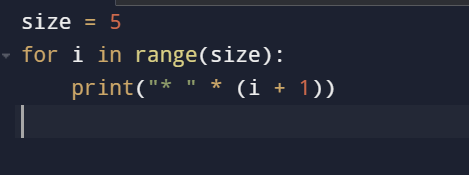
**#Rectangle**

****

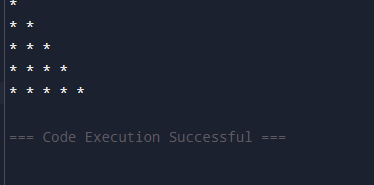
**OUTPUT**



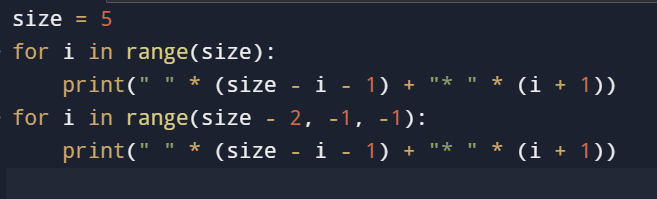
**#Triangle**



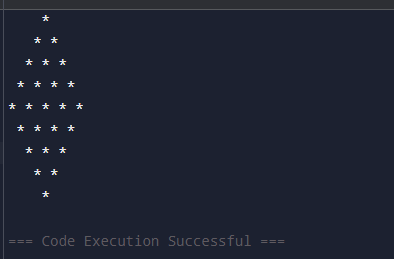
**OUTPUT**

****

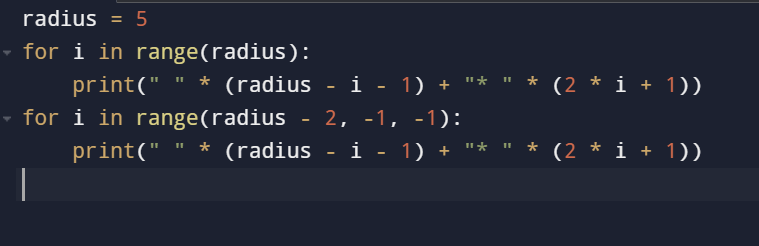
**#Diamond**



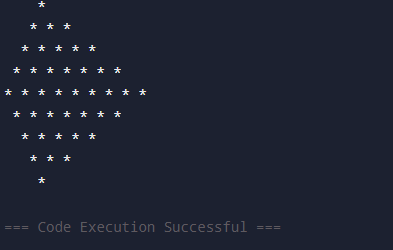
**OUTPUT**



**#Circle**

****

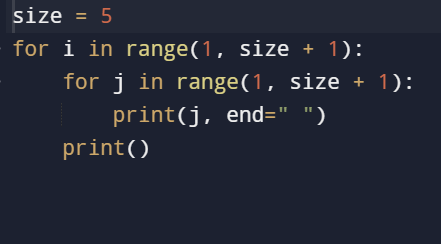
**OUTPUT**



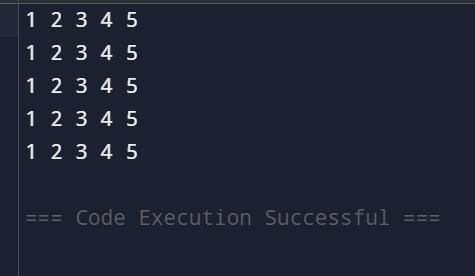
**TASK:3**

**Make same shapes you have made in task 2, using \* mutiple by number.**

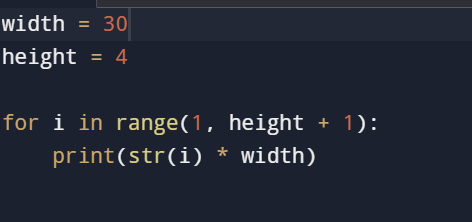
**#Square(Using Numbers)**

****

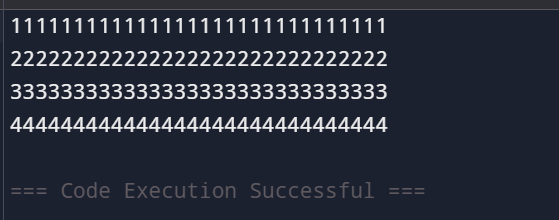
**OUTPUT**

****

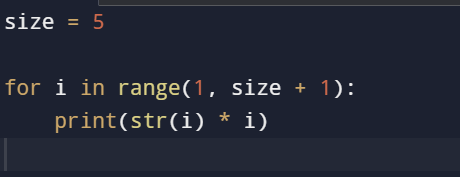
**#Rectangle(Using Numbers)**

****

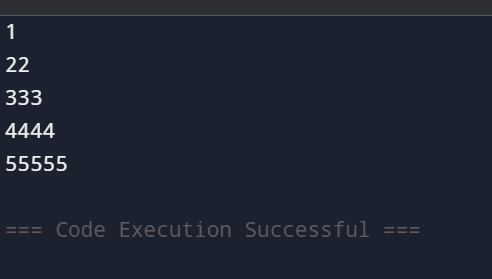
**OUTPUT**

****

**#TRIANGLE(Using Numbers)**

****

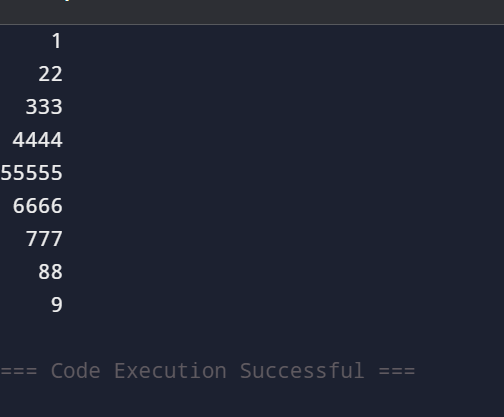
**OUTPUT**

****

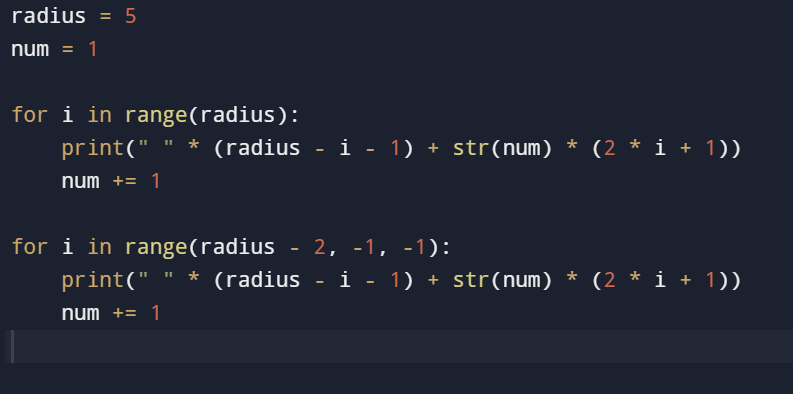
**# Diamond (Using Numbers)**



**OUTPUT**



**#CIRCLE(Using Numbers)**



**OUTPUT**

