ASSIGNMENT-4

DOMAIN:DATA SCIENCE WITH AI-ML

M.HARISH KRISHNAN, B.E-CSE,

ANNAPOORANA ENGINEERING COLLEGE,

SALEM

- Using python program to find the check if a tuples contains only unique elements.

PROGRAM:

```python
def check_unique_elements(tuple_data):
    return len(tuple_data) == len(set(tuple_data))

# Test the program
tuple1 = (1, 2, 3, 4, 5,5)
tuple2 = (1, 2, 2, 3, 4)

print(f"Tuple 1 contains only unique elements: {check_unique_elements(tuple1)}")
print(f"Tuple 2 contains only unique elements: {check_unique_elements(tuple2)}")
```

OUTPUT:

Tuple 1 contains only unique elements: False

Tuple 2 contains only unique elements: False

"Another one example of an output:"

```python
# Test the program
tuple1 = (1, 2, 3, 4, 7, 8, 9,10)
tuple2 = (1, 2, 2, 3, 4,10)
```

Output:

Tuple 1 contains only unique elements: True

Tuple 2 contains only unique elements: False

"One more thing example of an output:"

```python
# Test the program
tuple1 = (1, 2, 3, 3, 4, 5,6)
tuple2 = (1, 2, 2, 3, 4, 5,6)
```

Output:

Tuple 1 contains only unique elements: False

Tuple 2 contains only unique elements: False