Introduction to python for machine learning and data types

```
#Datatype Integer
X=5
Y=6
print(X,Y)
```

```
5 6
```

```
#Float
pi = 3.14
height = 5.5
print(pi,height)
```

```
3.14 5.5
```

```
#string
name = 'pranita'
message = 'Hello,python!'
print(name,message)
```

```
pranita Hello,python!
```

```
#lists
numbers = [1, 2, 3, 4, 5]
names = ['Alice', 'Bob', 'Charlie']
print(numbers, names)
```

```
[1, 2, 3, 4, 5] ['Alice', 'Bob', 'Charlie']
```

```
#TUPLES
coordinates = (3, 4)
colors = ('red', 'green', 'blue')
print(coordinates, colors )
```

```
(3, 4) ('red', 'green', 'blue')
```

```
#Dictionaries
person = {'name': 'Alice', 'age': 30, 'city': 'Wonderland'}
car = {'brand': 'Toyota', 'model': 'Camry', 'year': 2022}
print(person,car)
```

```
{'name': 'Alice', 'age': 30, 'city': 'Wonderland'} {'brand': 'Toyota',
'model': 'Camry', 'year': 2022}
```

```
#sets
unique_numbers = {1, 2, 3, 4, 5}
```

```
unique_colors = {'red', 'green', 'blue'}
print(unique_numbers ,unique_colors)
```

```
{1, 2, 3, 4, 5} {'green', 'blue', 'red'}
```